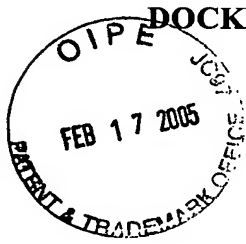


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DOCKET NO.: UNGR-1710

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Evan C. Unger, et al.

Application No.: 10/502,271

Filing Date: July 22, 2004

For: NOVEL TARGETED COMPOSITIONS FOR DIAGNOSTIC AND
THERAPEUTIC USE

Confirmation No.: 9386

Group Art Unit: 1617

Examiner: Not Yet Assigned

DATE OF DEPOSIT: February 15, 2005

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INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of

the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- ☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.116 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

- ☐ Certification in Accordance with § 1.97(e) is attached; or
- ☐ The fee of **\$180.00** as set forth in § 1.17(p) is attached.

- ☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of **\$180.00** as set forth in § 1.17(p).

- ☐ Copies of reference numbers listed on the attached Form PTO-1449 are enclosed herewith.

- ☐ Copies of reference numbers - on the attached Form PTO 1449 are not required to be submitted pursuant to 37 CFR § 1.98(a)(2)(i).

- ☒ Copies of references **1 – 177, 242 – 473 and 584 - 659** are not being submitted because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application number **08/851,780**, filed **May 6, 1997** now **U.S. Patent No. 6,090,800** for which a claim for priority under 35 U.S.C. § 120 has been made in the


instant application; copies of references 178 – 215, 474 – 506 and 660 – 683 are not being submitted because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application number 09/496,761, filed February 3, 2000 now U.S. Patent No. 6,444,660 for which a claim for priority under 35 U.S.C. § 120 has been made in the instant application; copies of references 216 – 241, 507 – 583 and 684 – 711 are not being submitted because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application number 09/699,679, filed October 30, 1999 for which a claim for priority under 35 U.S.C. § 120 has been made in the instant application.

☐ The relevance of those listed references which are not in the English language is as follows:

There are no listed references which are not in the English language.

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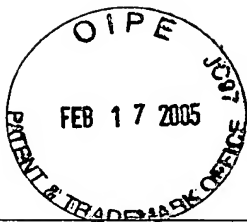
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One Liberty Place - 46th Floor
Philadelphia, PA 19103
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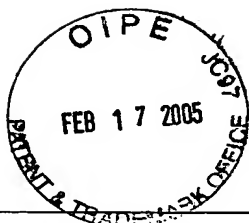
| | | | |
|---|----|--|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | | Applicant Evan C. Unger, et al. | |
| | | Filing Date July 22, 2004 | Group 1617 |
| | | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| | 1 | Fitzpatrick, et al., "Metal Ion Catalyzed Decarboxylation: Kinetics and Mechanism of the Oxidative Decarboxylation of Copper (II) Complexes of Aminomalonic Acid in Aqueous Solution", <i>Inorganic Chemistry</i> , Vol. 13, No. 3, pp. 568-574 (1974) | |
| | 2 | Thanassi, "Aminomalonic Acid: Spontaneous Decarboxylation and Reaction with 5-Deoxypyridoxal", <i>Biochemistry</i> , Vol 9, No. 3, pp. 525-532 (1970) | |
| | 3 | Stelmashok et al., <i>Koordinatsionnaya Khimiya</i> , Vol. 3, No. 4, pp. 524-527 (1977) (Russian and English language versions) | |
| | 4 | Mayhew et al., "High-Pressure Continuous-Flow System for Drug Entrapment in Liposomes", <i>Methods in Enzymology</i> , Vol. 149, pp. 64-77 (1987) | |
| | 5 | Mayhew et al., "Characterization of Liposomes Prepared Using a Microemulsifier", <i>Biochimica et Biophysica Acta</i> , Vol. 775, pp. 169-174 (1984) | |
| | 6 | Hope et al., "Production of Large Unilamellar Vesicles by a Rapid Extrusion Procedure: Characterization of Size Distribution, Trapped Volume, and Ability to Maintain a Membrane Potential", <i>Biochimica et Biophysica Acta</i> , 812: 55-65 (1985) | |
| | 7 | Mayer et al., "Vesicles of Variable Size Produced by a Rapid Extrusion Procedure", <i>Biochimica et Biophysica Acta</i> , Vol. 858, pp. 161-168 (1986) | |
| | 8 | Cheng, et al., "The Production and Evaluation of Contrast-Carrying Liposomes Made with an Automatic High Pressure System", <i>Investigative Radiology</i> , Vol. 22, pp. 47-55 (1987) | |
| | 9 | Jain, et al., <i>Introduction to Biological Membranes</i> , Ch. 9, pp. 192-231 (J. Wiley and Sons, N.Y. 1980) | |
| | 10 | Nayar et al., "Generation of Large Unilamellar Vesicles From Long-chain Saturated Phosphatidylcholines by Extrusion Technique", <i>Biochimica et Biophysica Acta</i> , Vol. 986, pp. 200-206 (1989) | |
| EXAMINER | | DATE CONSIDERED | |



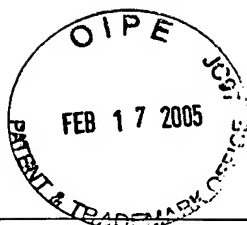
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|---|---|-------------------------------|
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| | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | |
| | 11 Hope et al., "Generation of Multilamellar and Unilamellar Phospholipid Vesicles", <i>Chemistry and Physics of Lipids</i> , Vol. 40, pp. 89-107 (1986) | |
| | 12 Mattrey et al., "Perfluorochemicals as US Contrast Agents for Tumor-Imaging and Hepatosplenography: Preliminary Clinical Results", <i>Radiology</i> , Vol. 163, pp. 339-343 (1987) | |
| | 13 Mattrey et al., "Perfluorooctylbromide: A Liver/Spleen-Specific and Tumor Imaging Ultrasound Contrast Material", <i>Radiology</i> , Vol. 145, pp. 759-762 (1982) | |
| | 14 Keller et al., "Successful Left Ventricular Opacification Following Peripheral Venous Injection of Sonicated Contrast Agent: An Experimental Evaluation", <i>LV Contrast Echocardiography</i> , Vol. 114, No. 3, pp. 570-575 (1987) | |
| | 15 Feinstein et al., "Two-Dimensional Contrast Echocardiography, I: In Vitro Development and Quantitative Analysis of Echo Contrast Agents", <i>JACC</i> , Vol. 3, No. 1, pp. 14-20 (1984) | |
| | 16 Ten Cate et al., "Two-Dimensional Contrast Echocardiography, II: Transpulmonary Studies", <i>JACC</i> , Vol. 3, No. 1, pp. 21-27 (1984) | |
| | 17 Unger et al., "Hepatic Metastases: Liposomal Gd-DTPA-enhanced MR Imaging", <i>Radiology</i> , Vol. 171, pp. 81-85 (1989) | |
| | 18 Deamer et al., "Permeability of Lipid Bilayers to Water and Ionic Solutes", <i>Chemistry and Physics of Lipids</i> , Vol. 40, pp.167-188 (1986) | |
| | 19 Gutknecht et al., "Diffusion of Carbon Dioxide Through Lipid Bilayer Membranes: Effect of Carbonic Anhydrase, Bicarbonate, and Unstirred Layers", <i>Chemical Abstracts</i> , 87:34772q (1977) | |
| | 20 Scarpa et al., "Cation Permeability of Liposomes as a Function of the Chemical Composition of the Lipid Bilayers", <i>Biochimica et Biophysica Acta</i> , Vol. 241, pp. 789-797 (1971) | |
| EXAMINER | DATE CONSIDERED | |



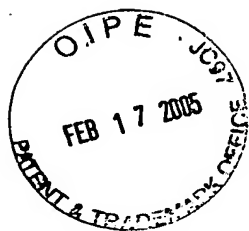
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|---|----|--|-------------------------------|
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| | | Filing Date July 22, 2004 | Group 1617 |
| | | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| | 21 | MacNaughton et al., "Effects of Gaseous Anesthetics and Inert Gases on the Phase Transition in Smectic Mesophases of Dipalmitoyl Phosphatidylcholine", <i>Biochimica et Biophysica Acta</i> , Vol. 597, pp. 193-198 (1980) | |
| | 22 | Tilcock et al., "Liposomal Gd-DTPA: Preparation and Characterization of Relaxivity", <i>Radiology</i> , Vol. 171, pp.77-80 (1989) | |
| | 23 | Mann et al., "Formation of Iron Oxides in Unilamellar Vesicles", <i>Journal of Colloid and Interface Science</i> , Vol. 122, No.2, pp. 326-335 (1988) | |
| | 24 | Anderson et al., "Manganese (III) Complexes in Oxidative Decarboxylation of Acids", <i>J. Am. Chem. Soc.</i> , Vol. 92, No.8, pp. 2450-2460 (1970) | |
| | 25 | Muhlratt et al., "Vitamin B6 Analogs: An Improved Synthesis of 5-Deoxyipyridoxal", <i>New Compounds</i> , Vol. 10, pp. 129-130 (1967) | |
| | 26 | Chapman D., "Physiochemical Properties of Phospholipids and Lipid Water Systems", <i>Liposome Technology</i> , Gregoriadis, G., ed., Vol. 1, pp. 1-19 (CRC Press, Boca Raton, FL, 1984) | |
| | 27 | Violante et al., "Particulate Suspensions as Ultrasonic Contrast Agents for Liver and Spleen", <i>Inv. Rad.</i> , Vol. 23, pp. S294-S297, September 1988 | |
| | 28 | Fritzsche et al., "Preclinical and Clinical Results with an Ultrasonic Contrast Agent", <i>Inv. Rad.</i> , Vol. 23, pp. S302-S305, September 1988 | |
| | 29 | M. Ostro, "Liposomes", Marcel Dekker, New York, pp. 102-103 (1983) | |
| | 30 | Fukuda et al., "Polymer-Encased Vesicles Derived from Diotadecyldimethylammonium Methacrylate", <i>J. Am. Chem., Soc.</i> , Vol. 108, pp. 2321-2327 (1986) | |
| EXAMINER | | DATE CONSIDERED | |



| | | | |
|---|----|--|-------------------------------|
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| | | A Evan C. Unger, et al. | |
| | | Filing Date July 22, 2004 | Group 1617 |
| | | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| | 31 | Regen, "Polymerized Vesicles", <i>J. Am. Chem. Soc.</i> , Vol. 102, pp. 6638-6640 (1989) | |
| | 32 | Rose, A. and Rose, E., "The Condensed Chemical Dictionary", Reinhold Publishing, New York, pp. 728 and 743 (1966) | |
| | 33 | A.G. Belykh, <i>Farmakol Toksikol. (MOSC)</i> , Vol. 44(3), pp. 322-326 (1981) (abstract) | |
| | 34 | J. Vion-Dury et al., <i>J. Pharmacol. Exper. Ther.</i> , Vol. 250(3), pp. 1113-1118 (1989) (abstract) | |
| | 35 | M.R. Zalutsky et al., <i>Invest. Radiol.</i> , Vol. 22(2), pp. 141-147 (1987) (abstract) | |
| | 36 | Crowe et al., <i>Archives of Biochemistry and Biophysics</i> , Vol. 242, pp. 240-247 (1985) | |
| | 37 | Crowe et al., <i>Archives of Biochemistry and Biophysics</i> , Vol. 220, pp. 477-484 (1983) | |
| | 38 | Dorland's Illustrated Medical Dictionary, 27th ed., W.B. Saunders Company, Philadelphia, 1988, p. 946 | |
| | 39 | <i>Liposome Technology</i> , Gregoriadis, G., ed., Vol. I, pp. 1-18, 29-35, 51-65 and 79-107 (CRC Press Inc., Boca Raton, FL, (1984) | |
| | 40 | Madden et al., <i>Chemistry and Physics of Lipids</i> , Vol. 53, pp. 37-46 (1990) | |
| EXAMINER | | DATE CONSIDERED | |



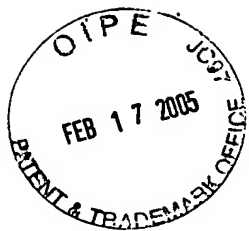
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| | Filing Date July 22, 2004 | Group 1617 |
| | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | |
| | 41 Sinkula et al., <i>J. Pharm. Sci.</i> , Vol. 64, pp. 181-210 (1975) | |
| | 42 Shiina et al., "Hyperthermiaby Low-frequency Synthesized Ultrasound", <i>IEEE Engineering</i> , pp. 879-880, Vol. 2 (1988) (abstract) | |
| | 43 McAvoy et al., <i>IEEE Engineering, Ultrasonics Symposium Proceedings</i> , Vol. 2, pp. 677-1248 (1989) (abstract) | |
| | 44 Chapman et al., "Biomembrane Phase Transitions", <i>J. Biol. Chem.</i> , 1974, 249:2512-2521 | |
| | 45 Hug et al., "Liposomes for the Transformation of Eukaryotic Cells", <i>Biochimica et Biophysica Acta</i> , 1991, 1097:1-17 | |
| | 46 Marsh, <i>CRC Handbook of Lipid Bilayers</i> (CRC Press, Boca Raton, FL 1990) pp. 139-141 | |
| | 47 Szoka et al., "Procedure for Preparation of Liposomes With Large Internal Aqueous Space...", <i>Proc. Natl. Acad. Sci.</i> 1978, 75:4194-4198 | |
| | 48 Acoustic Imaging; AI5200; Convex Curved Linear Array Ultrasound Transducers Operator's Manual, November 20, 1989, 4700-0003-1C, p. 4 | |
| | 49 Bangham et al., "Diffusion of Univalent Ions across the Lamellae of Swollen Phospholipids", <i>J. Mol. Biol.</i> , 1965, 13:238-252 | |
| | 50 Carson et al., <i>Ultrasound in Med. & Biol.</i> 3, 1978, 341-350 | |
| EXAMINER | DATE CONSIDERED | |



| | | | |
|---|----|--|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | | Docket No. UNGR-1710 | Application No. 10/502,271 |
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| | | Filing Date July 22, 2004 | Group 1617 |
| | | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| | 51 | Kost et al., <i>Polymers in Medicine II: Biomedical and Pharmaceutical Applications</i> , "Ultrasonic Modulated Drug Delivery Systems", Chiellini et al., ed., (Plenum Press, New York and London), pp. 387-396 (1985) | |
| | 52 | deGier et al., "Relations Between Liposomes and Biomembranes", <i>Annals of The New York Academy of Sciences</i> , 1978, 308:85-99 | |
| | 53 | Felgner et al., "Lipofection: A highly efficient, lipid-mediated DNA-transfection procedure", <i>Proc. Natl. Acad. Sci.</i> , 1987, 84:7413-7417 | |
| | 54 | Gabizon et al., "Liposome formulations with prolonged circulation time in blood and enhanced uptake by tumors", <i>Proc. Natl. Acad. Sci.</i> , 1988, 85:6949-6953 | |
| | 55 | Garelli, et al., <i>Biochimica et Biophysica Acta</i> , Vol. 1127:41-48 (1992) | |
| | 56 | Kawai et al., "New Procedure for DNA Transfection with Polycation and Dimethyl Sulfoxide", <i>Molecular and Cellular Biology</i> , 1984, 4:1172-1174 | |
| | 57 | Kuo et al., "Metallocene Antitumor Agents. Solution and Solid-State Molybdenocene Coordination...", <i>J. Am. Chem. Soc.</i> , 1991, 113:9027-9045 | |
| | 58 | <i>Mammalian Cell Biotechnology: A Practical Approach</i> , M. Butler, 1991 (Oxford University Press, New York), p. 57-70 | |
| | 59 | Mathiowitz et al., "Photochemical Rupture of Microcapsules: A Model System", <i>Journal of Applied Polymer Science</i> , 1981, 26:809-822 | |
| | 60 | May et al., "Cationic Liposomes Enable Bovine Herpesvirus Type 2 DNA to Infect Cells", <i>Acta virol.</i> , 1991, 35:107 | |
| EXAMINER | | DATE CONSIDERED | |



| | | | |
|---|----|---|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | | Docket No. UNGR-1710 | Application No. 10/502,271 |
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| | | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| | 61 | Poznansky et al., "Biologica Approaches to the Controlled Delivery of Drugs: A Critical Review", <i>Pharmacol. Rev.</i> , 1984, 36:277-336 | |
| | 62 | Sato et al., "Recent Aspects in the Use of Liposomes in Biotechnology and Medicine", <i>Prog. Lipid Res.</i> 1992, 4:345-372 | |
| | 63 | Simons et al., "Antisense c-myb oligonucleotides inhibit intimal arterial smooth muscle cell accumulation in vivo", <i>Nature</i> , 1992, 359:67-70 | |
| | 64 | Thompson, Larry, "At Age 2, Gene Therapy Enters a Growth Phase", <i>Science</i> 1992, 258:744-746 | |
| | 65 | Trubetskoy et al. "Cationic liposomes enhance targeted delivery and expression of exogenous DNA...", <i>Biochimica et Biophysica Acta</i> 1992, 131:311-313 | |
| | 66 | Umemura et al., "Studies on Sonodynamic Cancer Therapy", <i>IEEE</i> , 1992, O-7803-0785, pp. 354-355 | |
| | 67 | Williams, "Human Gene Therapy: Searching for Better Vectors", <i>ASM News</i> [American Society for Microbiology] 1992, 58:67-69 | |
| | 68 | Woodle et al., "Versatility in lipid compositions showing prolonged circulation...", <i>Biochimica et Biophysica Acta</i> 1992, 1105:193-200 | |
| | 69 | Zhou et al., "Targeted delivery of DNA by liposomes and polymers", <i>J. of Controlled Release</i> 1992, 19:269-274 | |
| | 70 | Mathiowitz et al., "Polyanhydride Microspheres as Drug Carriers", <i>Journal of Applied Polymer Science</i> , Vol. 35, pp. 755-774 (1988) | |
| EXAMINER | | DATE CONSIDERED | |



| | | | | |
|---|------------------------------------|---|-------------------------------|--|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | | Application No. 10/502,271 | |
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| | Filing Date July 22, 2004 | | Group 1617 | |
| | Confirmation No. 9396 | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | |
| | 71 | Sankaram et al., "Cholesterol-Induced Fluid-Phase Immiscibility in Membranes", <i>Proc. Natl. Acad. Sci.</i> , Vol. 88, pp. 8686-8690 (1991) | | |
| | 72 | <i>Scientific Apparatus Catalog 92/93</i> (VWR Scientific, 1991), "Syringes", pp. 1511-1513; "Filtration, Syringe Filters", pp. 766-768; "Filtration, Membranes", pp. 750-753; "Filtration, Filter Holders", p. 744 | | |
| | 73 | Gramiak et al., <i>Radiology</i> , "Detection of Intracardiac Blood Flow by Pulsed Echo-Ranging", pp. 415-418 (1971). | | |
| | 74 | Feigenbaum et al., <i>Circulation</i> , "Identification of Ultrasound Echoes from the Left Ventricle by Use of Intracardiac Injections of Indocyanine Green", Vol. XL1, pp. 615-621 (1970) | | |
| | 75 | Santaella, et al., <i>FEBS 13463</i> , "Extended In Vivo Blood Circulation Time of Fluorinated Liposomes", Vol. 336, No. 3, pp. 481-484 (1993) | | |
| | 76 | Brown and Langer, <i>Annual Review Medicine</i> , 1988, 39:221-229, Annual Review, Inc., "Transdermal Delivery of Drugs", pp. 221-229 | | |
| | 77 | Moseley, et al., <i>Microbubbles: A Novel MR Susceptibility Contrast Agent</i> , abstract, 1991 Napa, California Meeting of the Society for Magnetic Resonance in Medicine | | |
| | 78 | <i>Ter-Pogossia Tomography</i> , Kee, et al., n, "Physical Principles and Instrumentation", <i>Computed Body eds.</i> , Raven Press, New York, Chapter 1, pp. 1-7 (1988) | | |
| | 79 | Aronberg, "Techniques", <i>Computed Body Tomography</i> , Kee, et al., eds., Raven Press, New York, Chapter 2, pp. 9-36 (1988) | | |
| | 80 | Miller, <i>Ultrasonics</i> (September 1981), "Ultrasonic detection of resonant cavitation bubbles in a flow tube by their second-harmonic emissions," pp. 217-224 | | |
| EXAMINER | | DATE CONSIDERED | | |



| | | |
|---|------------------------------------|--|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
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| | Filing Date July 22, 2004 | Group 1617 |
| | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | |
| | 81 | Dittrich, "Cardiac Muscle Ischemia and Infarction", <i>The Second Annual International Symposium on Contrast Agents in Diagnostic Ultrasound</i> , Atlantic City, NJ (May 7, 1996) (abstract) |
| | 82 | Pantely, "Intravenous Contrast Echocardiography-Tissue Imaging & Quantification of Coronary Blood Flow", <i>The Second Annual International Symposium on Contrast Agents in Diagnostic Ultrasound</i> , Atlantic City, NJ (May 7, 1996) (abstract) |
| | 83 | Schutt et al., "Osmotically Stabilized Microbubble Sonographic Contrast Agents", <i>Acad. Radiol.</i> , Vol. 3, Suppl. 2, pp. S188-S190 (August 1996) |
| | 84 | Frézard, et al., "Permeability and stability in buffer and in human serum of fluorinated phospholipid-based liposomes", <i>Biochimica et Biophysica Acta</i> , 1192, pp. 61-70 (1994) |
| | 85 | Frézard, et al., "Fluorinated Phospholipid-Based Vesicles as Potential Drug Carriers: Encapsulation/Sustaining of Drugs and Stability in Human Serum", <i>Art, Cells, Blood Subs., and Immob. Biotech.</i> , 22(4), pp. 1403-1408 (1994) |
| | 86 | Chang et al., "Semipermeable Aqueous Microcapsules", <i>Canadian J. Of Phys. And Pharm.</i> , 1966, 44, 115-128 |
| | 87 | Chang, "Semipermeable Microcapsules", <i>Science</i> , 1964, 146, 524-525 |
| | 88 | Deasy, <i>Microencapsulation and Related Drug Processes</i> , 1983, Vol. 20, Chs. 9 and 10, 195-240 (Marcel Dekker, Inc., NY) |
| | 89 | Yeung et al., "Preparation of Microencapsulated Liposomes", <i>J. Microencapsulation</i> , 1988, 5, 331-337 |
| | 90 | Mattrey et al., <u>Gas Emulsions as Ultrasound Contrast Agents; Preliminary Results in Rabbits and Dogs</u> , <i>Investigative Radiology</i> , Vol. 29, June Supp. 2, pp. S139-S141, 1994 |
| EXAMINER | | DATE CONSIDERED |



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|---|------------------------------------|--|-------------------------------|--|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | | Application No. 10/502,271 | |
| | Applicant Evan C. Unger, et al. | | | |
| | Filing Date July 22, 2004 | | Group 1617 | |
| | Confirmation No. 9396 | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | |
| | 91 | Meltzer et al., <u>Transmission of Ultrasonic Contrast Through the Lungs</u> , <i>Ultrasound in Med. & Biol.</i> , Vol. 7, No. 4, 377-384, 1981 | | |
| | 92 | PR Newswire, April 1, 1986 | | |
| | 93 | Swanson et al., Chapter 22, "Enhancement Agents for Ultrasound: Fundamentals", <i>Pharmaceuticals In Medical Imaging</i> , pp. 682-687 (1990) | | |
| | 94 | Ophir et al., "Contrast Agents in Diagnostic Ultrasound", <i>Ultrasound in Med. & Biol.</i> , Vol. 15, No. 4, pp. 319-333 (1989) | | |
| | 95 | Jacobs, "Intraocular gas measurement using A-scan ultrasound", <i>Current Eye Research</i> , Vol. 5, No. 8, pp. 575-578 (1986) | | |
| | 96 | U.S. Application Serial Number 08/887,215, filed July 2, 1997 | | |
| | 97 | Villanueva et al., "Characterization of Spatial Patters of Flow Within the Reperfused Myocardium by Myocardial Contrast Echocardiography", <i>Circulation</i> , Vol. 88, No. 6, pp. 2596-2606 (December 1993) | | |
| | 98 | Lindner et al., "Myocardial Perfusion Characteristics and Hemodynamic Profile of MRX-115, a Venous Echocardiographic Contrast Agent, During Acute Myocardial Infarction", <i>J. Am. Soc. Echocardiography</i> , 1988 , 11(1), 36-46 | | |
| | 99 | Regen et al., "Polymerized Phosphatidylcholine Vesicles. Synthesis and Characterization", <i>J. Am. Chem. Soc.</i> , 1982 , 104(3), 191-195 | | |
| | 100 | Wei et al., "Quantification of Myocardial Blood Flow with Ultrasound-Induced Destruction of Microbubbles Administered as a Constant Venous Infusion", <i>Circulation</i> , 1998 , 97, 473-483 | | |
| EXAMINER | | DATE CONSIDERED | | |



| | | | |
|---|-----|---|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | | Applicant Evan C. Unger, et al. | |
| | | Filing Date July 22, 2004 | Group 1617 |
| | | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| | 101 | Abraham, et al., "Function and regulation of the murine lymphocyte CD2 receptor," <i>J. Leukocyte Biol.</i> , 1991 , 49, 329-341 | |
| | 102 | Al-Muhammad, et al., "Studies on the formulation and in vivo release of ophthalmic liposomes containing dexamethasone sodium phosphate," <i>J. Microencapsulation</i> , 1996 , 13(2), 123-130 | |
| | 103 | Allcock, H.R., "Covalent linkage of proteins to surface-modified poly (organophosphazenes): immobilization of glucose-6-phosphate dehydrogenase and trypsin," <i>Macromolecules</i> , 1986 , 19, 1502-1508 | |
| | 104 | Allock, H.R., "Schiff base coupling of cyclic and high-polymeric phosphazenes to aldehydes and amines: chemotherapeutic models," <i>Macromolecules</i> , 1981 , 14, 1616-1622 | |
| | 105 | Bloemberger, N., "Proton relaxation times in paramagnetic solutions," <i>J. Chem. Phys.</i> , 1957 , 27(2), 572-573 and 595-596 | |
| | 106 | Canfield, et al., "Incorporation of beta-carotene into mixed micelles," <i>Methods in Enzymology</i> , 1990 , 189, 418-422 | |
| | 107 | Abstract of Caesano, et al., "Treatment of experimental glioblastoma with a human major histocompatibility complex nonrestricted cytotoxic T cell line," <i>Cancer Res.</i> , 1995 , 55(1), 96-101 | |
| | 108 | Abstract pf Cullen, et al., "Sequence requirements for ligand binding and cell surface expression of the TAC antigen a human interleukin receptor," <i>J. Biol. Chem.</i> , 1988 , 263(10), 4900-4906 | |
| | 109 | De Jager, R., et al., "Current status of cancer immunodetection with radiolabeled human monoclonal antibodies," <i>Seminars in Nuclear Med.</i> , 1993 , 23(2), 165-179 | |
| | 110 | Elgorab, et al., "Solubilization of .beta.-carotene and retinal into aqueous solutions of mixed micelles," <i>Biochem. Biophys. Acta.</i> , 1973 , 306, 58-66 | |
| EXAMINER | | DATE CONSIDERED | |



| | | | | |
|---|------------------------------------|---|-------------------------------|--|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | | Application No. 10/502,271 | |
| | Applicant Evan C. Unger, et al. | | | |
| | Filing Date July 22, 2004 | | Group 1617 | |
| | Confirmation No. 9396 | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | |
| | 111 | Falconi, et al., "Oral long-lasting estrogenic activity of estradiol 3-benzoate 17-cyclooctenyl ether," <i>Steroids</i> , 1972 , 20(5), 627-638 | | |
| | 112 | Farsh, et al., "In-vivo studies in the treatment of oral ulcers with liposomal dexamethasone sodium phosphate," <i>J. Microencapsulation</i> , 1996 , 13(5), 537-544 | | |
| | 113 | Fedorak, et al., "A novel colon-specific steroid prodrug enhances sodium chloride absorption in rat colitis," <i>Am. J. Physiol.</i> , 1995 , 269, G210-G218 | | |
| | 114 | Fremont, et al., "Biophysical studies of T-cell receptors and their ligands," <i>Curr. Opin. Immunol.</i> , 1996 , 8, 93-100 | | |
| | 115 | Abstract of Gaffen, et al., "Signalling through the interleukine 2 receptor beta chain activates a stat-5-like DNA-binding activity," <i>Proc. Natl. Acad. Sci. USA</i> , 1995 , 92(16), 7192-7196 | | |
| | 116 | Gioanni, J., et al., "Characterization of a new surface epitope specific for human epithelial cells defined by a monoclonal antibody and application to tumor diagnosis," <i>Cancer Res.</i> , 1987 , 47, 4417-4424 | | |
| | 117 | Goundalkar, et al., "Chemical modification of triamcinolone acetonide to improve liposomal encapsulation," <i>J. Pharm. Sciences</i> , 1984 , 73(6), 834-835 | | |
| | 118 | Hemar, et al., "Endocytosis of interleukin 2 receptors in human T lymphocytes: distinct intracellular localization and fate of the receptor .alpha., .beta., and .gamma. chains," <i>J. Cell Biol.</i> , 1995 , 129, 55-64 | | |
| | 119 | Hochhaus, et al., "A selective HPLC/RIA for dexamethasone and its prodrug dexamethasone-21-sulphobenzoate sodium in biological fluids," <i>Biomed. Chrom.</i> , 1992 , 6, 283-286 | | |
| | 120 | Abstract of Hori, et al., "Characteristics of the IL-2 receptor expressed on large granular lymphocytes from patients with abnormally expanded large granular lymphocytes implication of a non-tac IL-2 binding peptide," <i>J. Immunol.</i> , 1988 , 140(12), 4199-4203 | | |
| EXAMINER | | DATE CONSIDERED | | |



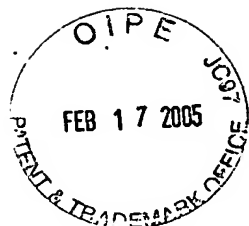
| | | |
|---|------------------------------------|---|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | Applicant Evan C. Unger, et al. | |
| | Filing Date July 22, 2004 | Group 1617 |
| | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | |
| | 121 | Kawabata, K. et al., "Effect of second-harmonic superimposition on efficient induction of sonochemical effect", <i>Ultrasonics Sonochemistry</i> , 1966 , 3, 1-5 |
| | 122 | Kersh et al., "Structural Basis for T Cell Recognition of Altered Peptide Ligands: A Single T Cell Receptor Can Productively Recognize a Large Continuum of Related Ligands", <i>J. Exp. Med.</i> , 1996 , 184, 1259-1268 |
| | 123 | Kuhl et al., "A New Class of Long-Acting Hormonal Steroid Preparation: Synthesis of Oligomeric Estradiol Derivatives", <i>Steroids</i> , 1973 , 22(1), 73-87 |
| | 124 | Kuo et al., "Structure-Function Relationships for the Interleukin 2-Receptor System I. Localization of a Receptor Binding Site on Interleukin 2", <i>J. Immunol.</i> , 1986 , 137(5), 1538-1543 (Abstract Only) |
| | 125 | Legrue et al., "The Role of Receptor-Ligand Endocytosis and Degradation in Interleukin-2 Signaling and T-Lymphocyte Proliferation", <i>Lymphokine Cytokine Res.</i> , 1991 , 10(6), 431-436 |
| | 126 | Lopez-Garcia et al., "Intra-articular therapy of experimental arthritis with a derivative of triamcinolone acetonide incorporated in liposomes", <i>J. Pharm. Pharmacol.</i> , 1993 , 45, 576-578 |
| | 127 | Lubinski et al., "Increased Binding of IL-2 and Increased IL-2 Receptor Messenger RNA Synthesis are Expressed by an NK-Like Cell Line in Response to IL-1", <i>J. Immunol.</i> , 1988 , 140(6), 1903-1909 (Abstract Only) |
| | 128 | Lundblad, R.L., "The Chemical Cross-Linking of Peptide Chains", <i>Techniques in Protein Modification</i> , CRC Press, <i>Chapter 15</i> , 249-267 |
| | 129 | McLeod et al., "A Glucocorticoid Prodrug Facilitates Normal Mucosal Function in Rat Colitis Without Adrenal Suppression", <i>Gastroenterol.</i> , 1994 , 106, 405-413 |
| | 130 | Merimsky, O. et al., "Antigens and Antibodies in Malignant Melanoma", <i>Tumor Biol.</i> , 1994 , 15, 188-202 |
| EXAMINER | | DATE CONSIDERED |



| | | | | |
|---|------------------------------------|---|-------------------------------|--|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | | Application No. 10/502,271 | |
| | Applicant Evan C. Unger, et al. | | | |
| | Filing Date July 22, 2004 | | Group 1617 | |
| | Confirmation No. 9396 | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | |
| | 131 | Miedel et al., "Structural Analysis of Recombinant Soluble Human Interleukin", <i>Biochem. Biophys. Res. Commun.</i> , 1988 , 154(1), 372-379 (Abstract Only) | | |
| | 132 | Miescher et al., "CCLXXVII. The Activation of the Male Sex Hormones. II.", <i>Activation of Male Sex Hormones</i> , 1936 , 1977-1990 | | |
| | 133 | Moreau et al., "Characterization of a monoclonal antibody directed against the NH2 terminal area of interleukin-2 (IL-2) and inhibiting specifically the binding of IL-2 to IL-2 receptor beta chain (IL-2R-beta)", <i>Mol. Immunol.</i> , 1995 , 32, 14-15 (Abstract Only) | | |
| | 134 | Nicol, L. et al., "Immunoscintigraphie Des Mélanomes Malins", <i>Pathologie Biologie</i> , 1990 , 38(8), 866-869 (Summary of article in English) | | |
| | 135 | O'Connor et al., "Growth Factor Requirements of Childhood Acute T-Lymphoblastic Leukemia: Correlation Between Presence of Chromosomal Abnormalities and Ability to Grow Permanently In Vitro", <i>Blood</i> , 1991 , 77(7), 1534-1545 | | |
| | 136 | Shahinian, S. et al., "A novel strategy affords high-yield coupling of antibody Fab' fragments to liposomes", <i>Biochimica et Biophysica Acta</i> , 1995 , 1239, 157-167 | | |
| | 137 | Solomon, I., "Relaxation Processes in a System of Two Spins", <i>Phys. Rev.</i> , 1955 , 99(2), 559-565 | | |
| | 138 | Sutherland et al., "Color Doppler Myocardial Imaging: A New Technique for the Assessment of Myocardial Function", <i>J. Am. Soc of Echocardiogr</i> , 1994 , 7(5), 441-458 | | |
| | 139 | Tagliaferri, P. et al., "Pharmacological modulation of peptide growth factor receptor expression on tumor cells as a basis for cancer therapy", <i>Anti-Cancer Drugs</i> , 1994 , 5, 379-393 | | |
| | 140 | Thorpe, P.E. et al., "Antibody-directed targeting of the vasculature of solid tumors", <i>Breast Cancer Res. and Treatment</i> , 1995 , 36, 237-251 | | |
| EXAMINER | | DATE CONSIDERED | | |



| | | | |
|---|-----|--|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | | Applicant Evan C. Unger, et al. | |
| | | Filing Date July 22, 2004 | Group 1617 |
| | | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| | 141 | Tsudo et al., "Contribution of a P75 Interleukin 2 Binding Peptide to a High-Affinity Interleukin 2 Receptor Complex", <i>Proc. Natl. Acad. Sci. USA</i> , 1987 , 84(12), 4215-4218 (Abstract Only) | |
| | 142 | Tsuji, Y. et al., "Identification of Two Different Surface Epitopes of Human Ovarian Epithelial Carcinomas by Monoclonal Antibodies", <i>Cancer Res.</i> , 1985 , 45, 2358-2362 | |
| | 143 | Ulendorf, "Physics of Ultrasound Contrast Imaging: Scattering in the Linear Range", <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 1994 , 41(1), 70-79 | |
| | 144 | Van Dongen et al., "Progress in radioimmunotherapy of head and neck cancer", <i>Oncology Reports</i> , 1994 , 1, 259-264 | |
| | 145 | Wallner et al., "Primary Structure of Lymphocyte Function-Associated Antigen 3 (LFA-3): The Ligand of the T Lymphocyte CD2 Glycoprotein", <i>J. Experimental Med.</i> , 1987 , 166, 923-932 | |
| | 146 | Weiss et al., "Cell Surface Molecules and Early Events Involved in Human T Lymphocyte Activation", <i>Adv. Immunol.</i> , 1987 , 41, 1-38 | |
| | 147 | Wiegant et al., "The HTLV-III Envelope Protein Contains a Hexapeptide Homologous to a Region of Interleukin-2 That Binds to the interleukin-2 Receptor", <i>Biochem. Biophys. Res. Commun.</i> , 1986 , 139(1), 367-374 | |
| | 148 | Wu, T.Z., "Immunology of the human papilloma virus in relation to cancer", <i>Curr. Opin. In Immunol.</i> , 1994 , 6, 746-754 | |
| | 149 | Xueyong, Z. et al., "Use of MG Series Monoclonal Antibodies in the Diagnosis and Experimental Targeting Therapy of Gastric Cancer", <i>Chin. Med. Sci. J.</i> , 1991 , 6(1), 56-59 | |
| | 150 | Lincoff et al., "Intravitreal Expansion of Perfluorocarbon Bubbles", <i>Arch. Ophthalmol.</i> , 1980 , 98, 1646 | |
| EXAMINER | | DATE CONSIDERED | |



| | | | |
|---|-----|--|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | | Applicant Evan C. Unger, et al. | |
| | | Filing Date July 22, 2004 | Group 1617 |
| | | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| | 151 | Lincoff et al., "Intravitreal Longevity of Three Perfluorocarbon Gases", <i>Arch. Ophthalmol.</i> , 1980, 98, 1610-1611 | |
| | 152 | Lincoff et al., "The Perfluorocarbon Gases in the Treatment of Retinal Detachment", <i>Ophthalmology</i> , 1983, 90(5), 546-551 | |
| | 153 | Gardner et al., "A Survey of Intraocular Gas Use in North America", <i>Arch. Ophthalmol.</i> , 1988, 106, 1188-1189 | |
| | 154 | Unger et al., "Liposomal MR Contrast Agents", <i>J. Liposome Research</i> , 1994, 4(2), 811-834 | |
| | 155 | Nomura et al., "US Contrast Enhancement of Hepatic Tumor with Helium Gas Microbubbles: A Preliminary Report", <i>Jpn. J. Med. Ultrasonics</i> , 1991, 18(5), 28-35 (English language translation provided) | |
| | 156 | Villanueva et al., "Characterization of Spatial Patters of Flow Within the Reperfused Myocardium by Myocardial Contrast Echocardiography", <i>Circulation</i> , 1993, 88(6), 2596-2606 | |
| | 157 | Villanueva et al., "Characterization of Spatial Patters of Flow Within the Reperfused Myocardium by Myocardial Contrast Echocardiography", <i>Circulation</i> , 1993, 88(6), 2596-2606 | |
| | 158 | Lindner et al., "Myocardial Perfusion Characteristics and Hemodynamic Profile of MRX-115, a Venous Echocardiographic Contrast Agent, During Acute Myocardial Infarction", <i>J. Am. Soc. Echocardiography</i> , 1998, 11(1), 36-46 | |
| | 159 | Regen et al., "Polymerized Phosphatidylcholine Vesicles. Synthesis and Characterization", <i>J. Am. Chem. Soc.</i> , 1982, 104(3), 191-195 | |
| | 160 | Feinstein, S., "Myocardial Perfusion Imaging: Contrast Echocardiography Today and Tomorrow," <i>JACC</i> , 1986, 8(1), 251-253 | |
| EXAMINER | | DATE CONSIDERED | |



| | | |
|---|------------------------------------|--|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | Applicant Evan C. Unger, et al. | |
| | Filing Date July 22, 2004 | Group 1617 |
| | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | |
| | 161 | Keller et al., "The Behavior of Sonicated Albumin Microbubbles Within the Microcirculation: A Basis for Their Use During Myocardial Contrast Echocardiography", <i>Circul. Res.</i> , 1989 , 65(2), 458-465 |
| | 162 | Lincoff et al., "Perfluoro-n-butane: A Gas for Maximum Duration Retinal Tamponade," <i>Arch Ophthalmology</i> , 1983 , 101, 460-462 |
| | 163 | <i>Remington's Pharmaceutical Sciences</i> , Hoover (Ed.), Mack Publishing Company, Easton, PA, 1975 , pp. 295-298; 736; 1242-1244 |
| | 164 | <i>Handbook of Pharmaceutical Excipients</i> , "Methylecllulose", American Pharmaceutical Association, Washington, D.C. and The Pharmaceutical Society of Great Britain, London, England, 1986 , 181-183 |
| | 165 | Barnhart et al., "Characteristics of Albunex™: Air-Filled Microspheres for Echocardiography Contrast Enhancement," <i>Invest. Radiol.</i> , 1990 , 25, S162-164 |
| | 166 | Levene et al., "Characterization of Albunex™," <i>J. Acoust. Soc. Am.</i> , 1990 , 87(Suppl. 1), 569-570 |
| | 167 | Miller et al., "Physiochemical Approaches to the Mode of Action of General Anesthetics," <i>J. Amer. Soc. Anesthesiol.</i> , 1972 , 36(4), 339-351 |
| | 168 | "Properties and Applications of the 'Freon' Fluorocarbons" in DuPont Freon Technical Bulletin B-2, E.I. DuPont de Nemours and Company, Wilmington, DE, 1964 , 1-11 |
| | 169 | "'Freon' Fluorocarbons: Properties and Applications" in DuPont Technical Bulletin G-1, E.I. DuPont de Nemours and Company, Wilmington, DE, 1987 , 1-10 |
| | 170 | "Encyclopedia of Polymer Science and Engineering," John Wiley & Sons, New York, 1985 , 1, 164-169 |
| EXAMINER | | DATE CONSIDERED |



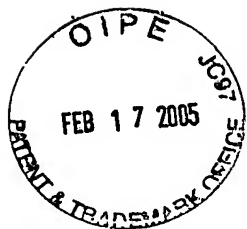
| | | | |
|---|-----|---|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | | Applicant Evan C. Unger, et al. | |
| | | Filing Date July 22, 2004 | Group 1617 |
| | | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| | 171 | Kroschwitz, J. (Ed.), <i>Concise Encyclopedia of Polymer Science and Engineering</i> , John Wiley & Sons, New York, 1990, 12-13 | |
| | 172 | Wheatley et al., "Contrast Agents for Diagnostic Ultrasound: Development and Evaluation of Polymer-Coated Microbubbles," <i>Biomaterials</i> , 1990, 11, 713-717 | |
| | 173 | Reexamination of U.S. Patent No. 5,527,521, Reexam Control No. 90/004,719 | |
| | 174 | Reexamination of U.S. Patent No. 5,547,656, Reexam Control No. 90/004,720 | |
| | 175 | Desir et al., "Assessment of regional myocardial perfusion with myocardial contrast echocardiography in a canine model of varying degrees of coronary stenosis", <i>Am. Heart J.</i> , 1994, 127(1), 56-63 | |
| | 176 | Sekins et al., "Lung Cancer Hyperthermia via Ultrasound and PFC Liquids", <i>Published in Proceedings of 5th International Symposium on Hyperthermic Oncology, Kyoto, Japan, August 29-September 3, 1998</i> , 3 pages | |
| | 177 | Pietersen, "A New Warning System for Fires of Electrical Origin", <i>CERN European Organization for Nuclear Research, Health and Safety Division</i> , March 1977, 1-5 | |
| | 178 | Frezard, F. et al., "Fluorinated phosphatidylcholine-based liposomes: H ⁺ /Na ⁺ permeability, active doxorubicin encapsulation and stability in human serum", <i>Biochim. Biophys. Acta</i> , 1994, Vol. 1194, No. 1, pp. 61-68 | |
| | 179 | Gross, U. et al., "Phospholipid vesiculated fluorocarbons- promising trend in blood substitutes", <i>Biomat., Art. Cells & Immob. Biotech.</i> , 1992, Vol. 20, No. 2-4, pp. 831-833 | |
| | 180 | Riess, J.G. et al., "Fluorine in our arteries", <i>New J. Chem.</i> , 1995, Vol. 19, No. 8-9, pp. 891-909 (English abstract) | |
| EXAMINER | | DATE CONSIDERED | |



| | | | |
|---|-----|---|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | | Applicant Evan C. Unger, et al. | |
| | | Filing Date July 22, 2004 | Group 1617 |
| | | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| | 181 | Riess, J.G. et al., "Introducing a new element - Fluorine - into the liposomal membrane", <i>Journal of Liposome Research</i> , US, Marcel Dekker, New York, August 1995 , Vol. 5, No. 3, pp. 413-430 | |
| | 182 | Trevino, L. et al., "Incorporation of a perfluoroalkylalkane ($R_F R_H$) into the phospholipid bilayer of DMPC liposomes results in greater encapsulation stability", <i>Journal of Liposome Research</i> , US, Marcel Dekker, New York, July 1994 , Vol. 4, No. 2, pp. 1017-1028 | |
| | 183 | Zarif, L. et al., "Biodistribution and excretion of a mixed fluorocarbon-hydrocarbon "dowel" emulsion as determined by ^{19}F NMR", <i>Art. Cells, Blood Subs., And Immob. Biotech.</i> , 1994 , Vol. 22, No. 4, pp. 1193-1198 | |
| | 184 | Porter, T. R., et al., "Thrombolytic Enhancement with Perfluorocarbon-exposed Sonicated Dextrose Albumin Microbubbles", <i>American Heart Journal</i> , November 1996 , Vol. 132, No. 5, pp. 964-968 | |
| | 185 | Hautanen, A., et al., "Effects of modifications of the RGD sequence and its context on recognition by the fibronectin receptor," <i>J. Biol. Chem.</i> , 1989 , 264(3), 1437-1442 | |
| | 186 | Takeuchi, M., et al., "Enhanced visualization of intravascular thrombus with the use of a thrombus targeting ultrasound contrast agent (MRX408): Evidence from in vivo experimental echocardiographic studies," <i>J. Am. College of Cardiology</i> , 1998 , 81(12), 1 page, Abstract XP-000952675 | |
| | 187 | Unger, E.C., et al., "In vitro studies of a new thrombus-specific ultrasound contrast agent," <i>J. of Cardiology</i> , 1998 , 81(12), 58G-61G, Abstract XP-002087505 | |
| | 188 | Wu, Y., et al., "Binding and lysing of blood clots using MRX-408," <i>Investigate Radiology</i> , 1998 , 33(12), 880-885 | |
| | 189 | Kinsler, L. E., et al., <i>Fundamentals of Acoustics</i> , 3 rd Ed., 1982 , 228-331 | |
| | 190 | Meessen, H. (ed.), <i>Microcirculation</i> , Springer-Verlag, Berlin Heidelberg, New York, 1997 , 44 | |
| EXAMINER | | DATE CONSIDERED | |



| | | | |
|---|-----|--|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | | Applicant Evan C. Unger, et al. | |
| | | Filing Date July 22, 2004 | Group 1617 |
| | | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| | 191 | Ring, J., et al., "Humanalbuminunverträglichkeit: klinische und immunologische untersuchungen," <i>Clinical Weekly</i> , 1974, 52, 595-598 | |
| | 192 | Robinson, et al., F.J. Fry (ed.), "Ultrasound: its applications in medicine and biology," <i>Elsevier Scientific Publishing Company</i> , 1978, Vol. 3, Chap. XI, 593-596 | |
| | 193 | Silbernagl, S., et al., "Pocket atlas of physiology," <i>Georg Thieme Verlag</i> , Stuttgart, New York, 1983, 156-157 | |
| | 194 | Wells, P.N.T., "Pulse-echo methods," <i>Biomedical Ultrasonics</i> , Academic Press, 1977, 209-220 | |
| | 195 | Porter, T.R., et al., "Multifold sonicated dilutions of albumin with fifty percent dextrose improve left ventricular contrast videointensity after intravenous injuction in human beings," <i>J. Am. Soc. Echocardiogr</i> , XP 000590864, September/October 1994, 7(5), 465-471 | |
| | 196 | Porter, T.R., et al., "Noninvasive identification of acute myocardial ischemia and reperfusion with contrast ultrasound using intravenous perfluoropropane-exposed sonicated dextrose albumin," <i>Am. College of Cardiology</i> , XP 000590865, July 1995, 26(1), 33-40 | |
| | 197 | Porter, T.R., et al., "Visually discernible myocardial echocardiographic contrast after intravenous injection of sonicated dextrose albumin microbubbles containing high molecular weight, less soluble gases," <i>Am. College of Cardiology</i> , February 1995, 25(2), 509-515 | |
| | 198 | Srinivasan, S.K., et al., "Characterization of binding sites, extent of binding, and drug interactions of oligonucleotides with albumin," <i>Antisense Res. And Develop.</i> , 1995, 5, 131-139 | |
| | 199 | Xie, F., et al., "Acute myocardial ischemia and reperfusion can be visually identified non-invasively with intravenous perfluoropropane-enhanced sonicated dextrose albumin ultrasound contrast," <i>Circulation</i> , October 1994, 90(4), Part 2, Abstract 2989, 1 page | |
| | 200 | Hynynen, et al., "The usefulness of a contrast agent and gradient recalled acquisition in a steady-state imaging sequence for magnetic resonance imaging-guided noninvasive ultrasound surgery," <i>Investigative Radiology</i> , 1994, 29(10), 897-903 | |
| EXAMINER | | DATE CONSIDERED | |



| | | | |
|---|-----|--|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | | Applicant Evan C. Unger, et al. | |
| | | Filing Date July 22, 2004 | Group 1617 |
| | | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| | 201 | Ledin cer, et al. (Eds.), Organic Chemistry of Drug Synthesis, 1, Chapter 10 | |
| | 202 | U.S. Patent application Serial No. 08/887,215 filed July 2, 1997 | |
| | 203 | Lejbkowitz, et al., "The response of normal and malignant cells to ultrasound in vitro," <i>Database BIOSIS</i> , No. 1993:95122245 (abstract only) | |
| | 204 | Jackson, et al., "Effect of ultrasound therapy on repair of Achilles tendon injuries in rats," <i>Med. Sci. Sports Exercise</i> , 1991, 171-176 | |
| | 205 | Maxwell, "Therapeutic ultrasound: its effects on the cellular and molecular mechanisms of inflammation and repair" <i>Physiotherapy</i> , 1992, 78(6), 421-426 | |
| | 206 | Tuncay, et al., "Expression of genes associated with tissue remodeling upon ultrasound perturbation in the gingival fibroblast," <i>J. Dental Res.</i> , 1996, 75 page 143 (abstract only) | |
| | 207 | Wang, et al., "Low intensity ultrasound treatment increases strength in a rat femoral fracture model," <i>J. Orthopaedic Res.</i> , 1994, 12(1), 40-47 | |
| | 208 | Yang, et al., "Exposure to low-intensity ultrasound increases aggrecan gene expression in a rat femur fracture model," <i>J. Orthopaedic Res.</i> , 1996, 14(5), 802-809 | |
| | 209 | Young, et al., "Effect of therapeutic ultrasound on the healing of full-thickness excised skin lesions," <i>Ultrasonics</i> , 1990, 28(3), 175-180 | |
| | 210 | Young, et al., "The effect of therapeutic ultrasound on angiogenesis," <i>Ultrasound Med. Biol.</i> , 1990, 16(3), 261-269 | |
| EXAMINER | | DATE CONSIDERED | |



| | | | | |
|---|------------------------------------|--|-------------------------------|--|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | | Application No. 10/502,271 | |
| | Applicant Evan C. Unger, et al. | | | |
| | Filing Date July 22, 2004 | | Group 1617 | |
| | Confirmation No. 9396 | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | |
| | 211 | Chortkoff, B., et al., "Pharmacokinetics do not explain the absence of an anesthetic effect of perfluoropropane or perfluoropentane," <i>Anesth. Analg.</i> , 1994 , 79, 234-237 | | |
| | 212 | Sharma, S.K., et al., "Emulsification methods for perfluorochemicals," <i>Drug Develop. Indust. Pharm.</i> , 1988 , 14(15-17), 2371-2376 | | |
| | 213 | Tilcock, C., et al., "PEG-coated lipid vesicles with encapsulated technetium-99m as blood pool agents for nuclear medicine," <i>Nucl. Med. Biol.</i> , 1994 , 21(2), 165-170 | | |
| | 214 | Tilcock, C., et al., ".sup00m Tc-labeling of lipid vesicles containing the lipophilic chelator PE-DTTA: effect of tin-to-chelate ratio, Chelate content and surface polymer on labeling efficiency and biodistribution behavior," <i>Nucl. Med. Biol.</i> , 1994 , 21(1), 89-96 | | |
| | 215 | Zarif, L., et al., "Synergistic stabilization of perfluorocarbon-pluronic F-68 emulsion by perfluoralkylated polyhydroxylated surfactants," <i>JAOCS</i> , 1989 , 66(10), 1515-1523 | | |
| | 216 | Ding, et al., <i>Chung Kuo Yao Li Hsueh Pao</i> , 1989 , 10(5), 473-475 (abstract only) | | |
| | 217 | Shinoda, K., et al., "Coloidal Surfactant, The formation of micelles," <i>Academic Press, NY</i> , 1963 , Chap. 1, 1-88 | | |
| | 218 | De Gruyter, W. & Co., "Concise Encyclopedia of Biochemistry," 1988 , 282-283 | | |
| | 219 | Kohler, et al., "Contiuous cultures of fused cells secreting antibody of predefined specificity," <i>Nature</i> , 1975 , 256-495 | | |
| | 220 | Kornmesser, et al., "Gastrointestinal Contrast Enhancement in MRI: First Clinical Experience with Gadolinium-DTPA", <i>Magnetic Resonance Imaging</i> , Vol. 6, Supplement 1, Page 124 (1988) | | |
| EXAMINER | | DATE CONSIDERED | | |



| | | | |
|---|-----|---|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | | Applicant Evan C. Unger, et al. | |
| | | Filing Date July 22, 2004 | Group 1617 |
| | | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| | 221 | <i>Liposome Technology</i> , Gregoriadis, G., ed., Vol. 1, pp. 29-31, 51-67 and 79-108, CRC Press Inc., Boca Raton, FL. 1984 | |
| | 222 | Lundblad, R.L., "The Chemical Cross-Linking of Peptide Chains", <i>Techniques in Protein Modification</i> , CRC Press, Inc., Ann Arbor, MI, pp. 249-68 (1995) | |
| | 223 | Mousa, et al., "Intravenous Antiplatelet Efficacy and Safety of the Platelet GPIIb/IIIa Antagonist, DMP 728 in Anesthetized Dogs", <i>Thrombosis Research</i> , Vol. 76, No. 2, pp. 109-119 (1994) | |
| | 224 | <i>The Merck Index</i> , 10 th Ed., p. 489 (1983) | |
| | 225 | van Boeckel, C.A.A. and van Boom, J.H., "Synthesis of Phosphatidyl- α -Glucosyl Glucosyl Glycerol Containing a Dioleoyl Phosphatidyl Moiety. Application of the Tetraisopropylidisiloxane-1, 3-Diyl (TIPS) Protecting Group in Sugar Chemistry. Part III", <i>Tetrahedron</i> , Vol. 41, No. 20, p. 4545-4555, (1985) | |
| | 226 | Broomley, et al., "Microbubble contrast agents: a new era in ultrasound," <i>Clinical Review, BMJ</i> , May 19, 2001 , XP008001399, 1222-1225 | |
| | 227 | Suchkova, V.N., "Enhancement of ultrasound-mediated fibrinolysis by platelet-targeted microbubble contrast agents," <i>Blood</i> , November 16, 2001 , 98(11), Part 1, XP-001109599, Abstract No. 173, 1 page | |
| | 228 | Deamer, D.W., "Preparation of solvent vaporization liposomes," <i>Liposome Techn.</i> , 1984 , Vol. 1, Chap. 3, 29-35 | |
| | 229 | Bedu-Addo, F.K., et al., "Effects of polyethyleneglycol chain length and phospholipids acyl chain composition on the interaction of polyethyleneglycol-phospholipid: implications in liposomal drug delivery," <i>Pharmac. Res.</i> , 1996 , 13(5), 710-717 | |
| | 230 | Belsito, S., et al., "Sterically stabilized liposomes of DPPC/DPPE-PEG:2000. A spin label ESR and spectrophotometric study," <i>Biophysical Chem.</i> , 1998 , 33-43 | |
| EXAMINER | | DATE CONSIDERED | |



| | | | |
|---|-----|---|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | | Applicant Evan C. Unger, et al. | |
| | | Filing Date July 22, 2004 | Group 1617 |
| | | Confirmation No. 9396 | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| | 231 | Maruyama, K., et al., "Prolonged circulation time in vivo of large unilamellar liposomes composed of distearoyl phosphatidylcholine and cholesterol containing amphipathic poly(ethylene glycol)," <i>Biochimica et Biophysica Acta</i> , 1992 , 1128, 44-49 | |
| | 232 | Nikolova, A.N., et al., "Effect of grafted PEG-2000 on the size and permeability of vesicles," <i>Biochimica et Biophysica Acta</i> , 1996 , 120-128 | |
| | 233 | Ohki, K., et al., "Short- and long-range Ca^{2+} -induced lateral phase separations in ternary mixtures of phosphatidic acid, phosphatidylcholine and phosphatidylethanolamine," <i>Chem. & Physics of Lipids</i> , 1989 , 109-117 | |
| | 234 | Wolf, et al., "The effect of lysophosphatidylcholine on coronary and renal circulation in the rabbit," <i>Lipids</i> , 1991 , 26(3), 223-226 (abstract 1 page) | |
| | 235 | Yu, S.-H., et al., "Effect of pulmonary surfactant protein B (SP-B) and calcium on phospholipids adsorption and squeeze-out of phosphatidylglycerol from binary phospholipids monolayers containing dipalmitoylphosphatidylcholine," <i>Biochimica et Biophysica Acta</i> , 1992 , 1126, 26-34 | |
| | 236 | Goldberg, B.B., et al., "Ultrasound contrast agents: a review," <i>Ultrasound in Med. & Biol.</i> , 1994 , 20(4), 319-333 | |
| | 237 | Hansrani, P.K., et al., "The preparation and properties of sterile intravenous emulsions," <i>J. of Parenteral Science & Technology</i> , 1983 , 37(4), 145-150 | |
| | 238 | Szoka, F., Jr., et al., "comparative properties and methods of preparation of lipid vesicles (liposomes)," <i>Ann. Rev. Biophys. Bioeng.</i> , 1980 , 9, 467-508 | |
| | 239 | Talsma, H., et al., "Liposomes as drug delivery systems, Part I: Preparation," <i>Pharmaceutical Technology</i> , 1992 , 96-106 | |
| | 240 | Unger, E., et al., "Gas-filled lipid bilayers as ultrasound contrast agents," <i>Investigative Radiology</i> , 29(Suppl. 2), S134-S136 | |
| EXAMINER | | DATE CONSIDERED | |



Sheet 25 of 53

| | | | | |
|---|------------------------------------|---|-------------------------------|--|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | | Application No. 10/502,271 | |
| | Applicant Evan C. Unger, et al. | | | |
| | Filing Date July 22, 2004 | | Group 1617 | |
| | Confirmation No. 9396 | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | |
| | 241 | Unger, E., et al., "Gas filled lipid bilayers as imaging contrast agents," <i>J. of Liposome Res.</i> , 1994, 4(2), 861-874 | | |
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| | | | | |
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| | | |
|---|------------------------------------|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | Applicant Evan C. Unger, et al. | |
| | Filing Date July 22, 2004 | Group 1617 |
| | Confirmation No. 9396 | |

U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|----------|------------------|-------|----------|
| | 242 | 4,276,885 | 7/7/81 | Tickner et al. | 128 | 660 |
| | 243 | 4,344,929 | 8/17/82 | Bonsen et al. | 424 | 15 |
| | 244 | 4,466,442 | 8/21/84 | Hilmann et al. | 128 | 653 |
| | 245 | 4,533,254 | 8/6/85 | Cook et al. | 366 | 176 |
| | 246 | 4,572,203 | 2/25/86 | Feinstein | 128 | 661 |
| | 247 | 4,603,044 | 7/29/86 | Geho et al. | 424 | 9 |
| | 248 | 4,675,310 | 6/23/87 | Chapman et al. | 514 | 6 |
| | 249 | 4,718,433 | 1/12/88 | Feinstein | 128 | 660 |
| | 250 | 4,728,575 | 3/1/88 | Gamble et al. | 428 | 402.2 |
| | 251 | 4,728,578 | 3/1/88 | Higgins et al. | 428 | 462 |
| | 252 | 4,737,323 | 4/12/88 | Martin et al. | 264 | 4.3 |
| | 253 | 4,774,958 | 10/4/88 | Feinstein | 128 | 660.01 |
| | 254 | 4,863,717 | 9/5/89 | Keana | 424 | 9 |
| | 255 | 4,844,882 | 7/4/89 | Widder et al. | 424 | 9 |
| | 256 | 4,192,859 | 3/11/80 | Mackaness et al. | 424 | 5 |
| | 257 | 4,921,706 | 5/1/90 | Roberts et al. | 424 | 450 |
| | 258 | 4,790,891 | 12/13/88 | Halliday et al. | 149 | 2 |
| | 259 | 4,162,282 | 7/24/79 | Fulwyler et al. | 264 | 9 |

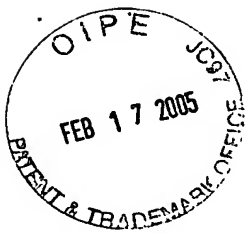
| | |
|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|



| | | |
|---|------------------------------------|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | Applicant Evan C. Unger, et al. | |
| | Filing Date July 22, 2004 | Group 1617 |
| | Confirmation No. 9396 | |

U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|---------|------------------------|-------|----------|
| | 260 | 4,938,947 | 7/3/90 | Nicolau et al. | 424 | 1.1 |
| | 261 | 4,900,540 | 2/13/90 | Ryan et al. | 424 | 9 |
| | 262 | 4,544,545 | 10/1/85 | Ryan et al. | 424 | 1.1 |
| | 263 | 4,331,654 | 5/25/82 | Morris | 424 | 38 |
| | 264 | 3,532,500 | 10/6/70 | Priest et al. | 96 | 91 |
| | 265 | 4,310,506 | 1/12/82 | Baldeschwieler et al. | 424 | 1 |
| | 266 | 4,310,505 | 1/12/82 | Baldeschwieler et al. | 424 | 1 |
| | 267 | 4,586,512 | 5/6/86 | Do-huu et al. | 128 | 660 |
| | 268 | 4,620,546 | 11/4/86 | Aida et al. | 128 | 660 |
| | 269 | 4,658,828 | 4/21/87 | Dory | 128 | 660 |
| | 270 | 4,865,836 | 9/12/89 | Long, Jr. | 424 | 5 |
| | 271 | 4,646,756 | 3/3/87 | Watmough et al. | 128 | 804 |
| | 272 | 4,893,624 | 1/16/90 | Lele | 128 | 399 |
| | 273 | 4,689,986 | 9/1/87 | Carson et al. | 73 | 19 |
| | 274 | 4,657,756 | 4/14/87 | Rasor et al. | 424 | 9 |
| | 275 | 4,781,871 | 11/1/88 | West III et al. | 264 | 4.3 |
| | 276 | 4,957,656 | 9/18/90 | Cerny et al. | 252 | 311 |
| EXAMINER | | | | DATE CONSIDERED | | |



| | | |
|---|------------------------------------|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | Applicant Evan C. Unger, et al. | |
| | Filing Date July 22, 2004 | Group 1617 |
| | Confirmation No. 9396 | |

U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|----------|-------------------|-------|----------|
| | 277 | 4,830,858 | 5/16/89 | Payne et al. | 424 | 450 |
| | 278 | 4,684,479 | 8/4/87 | D'Arrigo | 252 | 307 |
| | 279 | 5,215,680 | 6/1/93 | D'Arrigo | 252 | 307 |
| | 280 | 5,171,755 | 12/15/92 | Kaufman | 514 | 759 |
| | 281 | 4,898,734 | 2/6/90 | Mathiowitz et al. | 424 | 426 |
| | 282 | 4,776,991 | 10/11/88 | Farmer et al. | 264 | 4.3 |
| | 283 | 5,088,499 | 02/18/92 | Unger | 128 | 662.2 |
| | 284 | 5,194,266 | 03/16/93 | Abra et al. | 424 | 450 |
| | 285 | 5,198,225 | 03/30/93 | Meybeck et al. | 424 | 450 |
| | 286 | 4,927,623 | 5/22/90 | Long, Jr. | 424 | 5 |
| | 287 | 4,442,843 | 4/17/84 | Rasor et al. | 128 | 660 |
| | 288 | 4,681,119 | 7/21/87 | Rasor et al. | 128 | 660 |
| | 289 | 5,049,388 | 9/17/91 | Knight et al. | 424 | 450 |
| | 290 | 4,315,514 | 2/16/82 | Drewes et al. | 128 | 653 |
| | 291 | 4,569,836 | 2/11/86 | Gordon | 424 | 1/1 |
| | 292 | 4,426,330 | 1/17/84 | Sears | 260 | 403 |
| | 293 | 4,534,899 | 8/13/85 | Sears | 260 | 403 |

| | |
|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|



| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | | | | Docket No. UNGR-1710 | | Application No. 10/502,271 | |
|---|-----|-----------------|----------|------------------------------------|-------|-------------------------------|--|
| | | | | Applicant Evan C. Unger, et al. | | | |
| | | | | Filing Date July 22, 2004 | | Group 1617 | |
| | | | | Confirmation No. 9396 | | | |
| U. S. PATENT DOCUMENTS | | | | | | | |
| Examiner Initial | | Document No. | Date | Name | Class | Subclass | |
| | 294 | 5,271,928 | 12/21/93 | Schneider et al. | 424 | 9 | |
| | 295 | 4,229,360 | 10/21/80 | Schneider et al. | 260 | 403 | |
| | 296 | B1 4,229,360 | 11/5/91 | Schneider et al. | 260 | 403 | |
| | 297 | 4,089,801 | 5/16/78 | Schneider | 252 | 316 | |
| | 298 | 4,224,179 | 9/23/80 | Schneider | 252 | 316 | |
| | 299 | 4,987,154 | 1/22/91 | Long, Jr. | 514 | 772 | |
| | 300 | 5,219,538 | 6/15/93 | Henderson et al. | 428 | 402.2 | |
| | 301 | 5,316,771 | 5/31/94 | Barenholz et al. | 424 | 450 | |
| | 302 | 5,195,520 | 3/23/93 | Schlieff et al. | 128 | 660.02 | |
| | 303 | 3,873,564 | 3/25/75 | Schneider et al. | 260 | 309.6 | |
| | 304 | 5,045,304 | 9/3/91 | Schneider et al. | 424 | 9 | |
| | 305 | 4,877,561 | 10/31/89 | Iga et al. | 264 | 4.3 | |
| | 306 | 5,213,804 | 5/25/93 | Martin et al. | 424 | 450 | |
| | 307 | 4,895,719 | 1/23/90 | Radhakrishnan | 424 | 45 | |
| | 308 | 5,008,050 | 4/16/91 | Cullis et al. | 264 | 4.3 | |
| | 309 | 5,114,703 | 5/19/92 | Wolf et al. | 424 | 5 | |
| | 310 | 5,013,556 | 5/7/91 | Woodle et al. | 424 | 450 | |
| | 311 | 5,000,960 | 3/19/91 | Wallach | 424 | 450 | |
| EXAMINER | | | | DATE CONSIDERED | | | |



| | | |
|---|------------------------------------|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | Applicant Evan C. Unger, et al. | |
| | Filing Date July 22, 2004 | Group 1617 |
| | Confirmation No. 9396 | |

U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|---------|------------------|-------|----------|
| | 312 | 5,310,540 | 5/10/94 | Giddey et al. | 424 | 9 |
| | 313 | 5,425,366 | 6/20/95 | Reinhardt et al. | 128 | 662.02 |
| | 314 | 4,775,522 | 10/4/88 | Clark, Jr. | 424 | 9 |
| | 315 | 4,731,239 | 3/15/88 | Gordon | 424 | 9 |
| | 316 | 5,350,571 | 9/27/94 | Kaufman et al. | 424 | 9 |
| | 317 | 4,615,879 | 10/7/86 | Runge et al. | 424 | 9 |
| | 318 | 5,380,519 | 1/10/95 | Schneider et al. | 424 | 9 |
| | 319 | 5,393,524 | 2/28/95 | Quay | 424 | 9 |
| | 320 | 5,196,183 | 3/23/93 | Yudelson et al. | 424 | 9 |
| | 321 | 4,996,041 | 2/26/91 | Arai et al. | 424 | 9 |
| | 322 | 5,147,631 | 9/15/92 | Glajch et al. | 424 | 9 |
| | 323 | 5,186,922 | 2/16/93 | Shell et al. | 128 | 654 |
| | 324 | 4,428,924 | 1/31/84 | Millington | 424 | 4 |
| | 325 | 5,413,774 | 5/9/95 | Schneider et al. | 424 | 9.51 |
| | 326 | 5,409,688 | 4/25/95 | Quay | 424 | 9 |
| | 327 | 5,410,516 | 4/25/95 | Uhlendorf et al. | 367 | 7 |
| | 328 | 5,305,757 | 4/26/94 | Unger et al. | 128 | 662.02 |
| | 329 | 5,334,381 | 8/2/94 | Unger | 424 | 9 |

| | |
|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|



| | | |
|---|------------------------------------|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | Applicant Evan C. Unger, et al. | |
| | Filing Date July 22, 2004 | Group 1617 |
| | Confirmation No. 9396 | |

U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|----------|------------------|-------|----------|
| | 330 | 5,123,414 | 6/23/92 | Unger | 128 | 654 |
| | 331 | 5,433,204 | 7/18/95 | Olson | 128 | 661.08 |
| | 332 | 5,445,813 | 8/29/95 | Schneider et al. | 424 | 9.51 |
| | 333 | 5,141,738 | 8/25/92 | Rasor et al. | 424 | 2 |
| | 334 | 4,981,692 | 1/1/91 | Popescu et al. | 424 | 422 |
| | 335 | 5,149,319 | 9/22/92 | Unger | 604 | 22 |
| | 336 | 5,209,720 | 5/11/93 | Unger | 604 | 22 |
| | 337 | 5,228,446 | 7/20/93 | Unger et al. | 128 | 662.02 |
| | 338 | 5,230,882 | 7/27/93 | Unger | 424 | 9 |
| | 339 | 5,352,435 | 10/4/94 | Unger | 424 | 9 |
| | 340 | 5,190,982 | 3/2/93 | Erbel et al. | 521 | 56 |
| | 341 | 5,137,928 | 8/11/92 | Erbel et al. | 521 | 56 |
| | 342 | 5,205,287 | 4/27/93 | Erbel et al. | 128 | 632 |
| | 343 | 5,470,582 | 11/28/95 | Supersaxo et al. | 424 | 489 |
| | 344 | 5,529,766 | 6/25/96 | Klaveness et al. | 424 | 9.52 |
| | 345 | 5,487,390 | 1/30/96 | Cohen et al. | 128 | 662.02 |
| | 346 | 5,531,980 | 7/2/96 | Schneider et al. | 424 | 9.52 |
| | 347 | 5,536,489 | 7/16/96 | Lohrmann et al. | 424 | 9.52 |

EXAMINER

DATE CONSIDERED



| | | |
|---|------------------------------------|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | Applicant Evan C. Unger, et al. | |
| | Filing Date July 22, 2004 | Group 1617 |
| | Confirmation No. 9396 | |

U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|----------|--------------------|-------|----------|
| | 348 | 5,536,490 | 7/16/96 | Klaveness et al. | 424 | 9.52 |
| | 349 | 5,315,997 | 5/31/94 | Widder et al. | 128 | 653.3 |
| | 350 | 5,469,854 | 11/28/95 | Unger et al. | 128 | 662.02 |
| | 351 | 5,505,932 | 4/9/96 | Grinstaff et al. | 424 | 9.3 |
| | 352 | 5,540,909 | 7/30/96 | Schutt | 424 | 9.52 |
| | 353 | 5,496,535 | 3/5/96 | Kirkland | 424 | 9.37 |
| | 354 | 5,344,930 | 9/6/94 | Riess et al. | 544 | 84 |
| | 355 | 5,560,364 | 10/1/96 | Porter | 128 | 662.02 |
| | 356 | 5,562,893 | 10/08/96 | Lohrmann | 424 | 9.52 |
| | 357 | 5,567,413 | 10/22/96 | Klaveness et al. | 424 | 9.51 |
| | 358 | 5,567,414 | 10/22/96 | Schneider et al. | 424 | 9.52 |
| | 359 | 5,567,765 | 10/22/96 | Moore et al. | 524 | 801 |
| | 360 | 5,552,133 | 09/03/96 | Lambert et al. | 424 | 9.52 |
| | 361 | 3,015,128 | 01/02/62 | Sommerville et al. | 18 | 2.6 |
| | 362 | 3,594,326 | 07/20/71 | Himmel et al. | 252 | 316 |
| | 363 | 3,732,172 | 05/08/73 | Herbig et al. | 252 | 316 |
| | 364 | 3,945,956 | 03/23/76 | Garner | 260 | 2.5B |
| | 365 | 4,108,806 | 08/22/78 | Cohrs et al. | 521 | 54 |

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| EXAMINER | DATE CONSIDERED |
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|---|------------------------------------|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | Applicant Evan C. Unger, et al. | |
| | Filing Date July 22, 2004 | Group 1617 |
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U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|----------|------------------|-------|----------|
| | 366 | 4,179,546 | 12/18/79 | Garner et al. | 521 | 56 |
| | 367 | 4,420,442 | 12/13/83 | Sands | 264 | 13 |
| | 368 | 4,421,562 | 12/20/83 | Sands et al. | 106 | 75 |
| | 369 | 4,540,629 | 09/10/85 | Sands et al. | 428 | 402 |
| | 370 | 4,549,892 | 10/29/85 | Baker et al. | 65 | 21.4 |
| | 371 | 5,019,370 | 05/28/91 | Jay et al. | 424 | 4 |
| | 372 | 5,205,290 | 04/27/93 | Unger | 128 | 653.4 |
| | 373 | 4,822,534 | 04/18/89 | Lencki et al. | 264 | 4.3 |
| | 374 | 3,293,114 | 12/20/66 | Kenaga et al. | 162 | 168 |
| | 375 | 3,479,811 | 11/25/69 | Walters | 57 | 153 |
| | 376 | 3,488,714 | 01/06/70 | Walters et al. | 161 | 161 |
| | 377 | 3,615,972 | 10/26/71 | Morehouse et al. | 156 | 79 |
| | 378 | 5,078,994 | 01/07/92 | Nair et al. | 424 | 501 |
| | 379 | 4,138,383 | 02/06/79 | Rembaum et al. | 260 | 29.7H |
| | 380 | 4,789,501 | 12/06/88 | Day et al. | 252 | 645 |
| | 381 | 3,960,583 | 06/01/76 | Netting et al. | 106 | 122 |
| | 382 | 5,362,478 | 11/8/94 | Desai et al. | 424 | 9 |
| | 383 | 5,281,408 | 1/25/94 | Unger | 424 | 4 |

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| EXAMINER | DATE CONSIDERED |
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|---|------------------------------------|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | Applicant Evan C. Unger, et al. | |
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U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|----------|------------------|-------|----------|
| | 384 | 5,456,900 | 10/10/95 | Unger | 424 | 9.4 |
| | 385 | 5,527,521 | 6/18/96 | Unger | 424 | 93 |
| | 386 | 5,547,656 | 8/20/96 | Unger | 424 | 9.4 |
| | 387 | 5,358,702 | 10/25/94 | Unger | 424 | 9 |
| | 388 | 4,985,550 | 1/15/91 | Charpiot et al. | 536 | 18.4 |
| | 389 | 5,498,421 | 3/12/96 | Grinstaff et al. | 424 | 450 |
| | 390 | 4,993,415 | 2/19/91 | Long | 128 | 653 A |
| | 391 | 5,573,751 | 11/12/96 | Quay | 424 | 9.52 |
| | 392 | 5,606,973 | 03/04/97 | Lambert et al. | 128 | 662.02 |
| | 393 | 5,558,094 | 09/24/96 | Quay | 128 | 662.02 |
| | 394 | 5,558,853 | 09/24/96 | Quay | 424 | 9.5 |
| | 395 | 5,558,854 | 09/24/96 | Quay | 424 | 9.52 |
| | 396 | 5,558,855 | 09/24/96 | Quay | 424 | 9.5 |

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| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|



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|---|------------------------------------|-------------------------------|
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U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|----------|------------------------|-------|----------|
| | 397 | 5,595,723 | 01/21/97 | Quay | 424 | 9.5 |
| | 398 | 5,585,112 | 12/17/96 | Unger et al. | 424 | 450 |
| | 399 | 5,556,610 | 09/17/96 | Yan et al. | 424 | 9.52 |
| | 400 | 5,578,292 | 11/25/96 | Schneider et al. | 424 | 9.51 |
| | 401 | 4,933,121 | 06/12/90 | Law et al. | 264 | 4.3 |
| | 402 | 5,315,998 | 05/31/94 | Tachibana et al. | 128 | 660.01 |
| | 403 | 5,620,689 | 04/15/97 | Allen et al. | 424 | 178.1 |
| | 404 | 5,643,553 | 07/01/97 | Schneider et al. | 424 | 9.52 |
| | 405 | 5,371,077 | 12/06/94 | Schroepfer, Jr. et al. | 514 | 179 |
| | 406 | 5,641,765 | 06/24/97 | Holt et al. | 514 | 169 |
| | 407 | 5,569,448 | 10/29/96 | Wong et al. | 424 | 9.45 |
| | 408 | 5,804,162 | 09/08/98 | Kabalnov et al. | 424 | 9.51 |
| | 409 | 4,919,895 | 04/24/90 | Heldebrant et al. | 422 | 129 |
| | 410 | 5,135,000 | 08/04/92 | Akselrod et al. | 128 | 662.02 |
| | 411 | 5,672,585 | 09/30/97 | Pierschbacher et al. | 514 | 11 |
| | 412 | 3,401,475 | 09/17/68 | Morehouse et al. | 40 | 306 |
| | 413 | 3,647,784 | 03/07/72 | Stein et al. | 260 | 239.55 R |
| | 414 | 3,649,620 | 03/14/72 | Ercoli et al. | 260 | 239.55 |
| EXAMINER | | | | DATE CONSIDERED | | |



| | | |
|---|------------------------------------|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | Applicant Evan C. Unger, et al. | |
| | Filing Date July 22, 2004 | Group 1617 |
| | Confirmation No. 9396 | |

U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|----------|---------------------|-------|----------|
| | 415 | 3,291,843 | 12/13/66 | Fritz et al. | 260 | 614 |
| | 416 | 3,557,294 | 01/19/71 | Dear et al. | 424 | 342 |
| | 417 | 4,427,649 | 01/24/84 | Dingle et al. | 424 | 38 |
| | 418 | 4,663,161 | 05/05/87 | Mannino et al. | 424 | 89 |
| | 419 | 4,918,065 | 04/17/90 | Stindl et al. | 514 | 179 |
| | 420 | 5,008,109 | 04/16/91 | Tin | 424 | 422 |
| | 421 | 5,107,842 | 04/28/92 | Levene et al. | 128 | 662.02 |
| | 422 | 5,196,348 | 03/23/93 | Schweighardt et al. | 436 | 173 |
| | 423 | 5,339,814 | 08/23/94 | Lasker | 128 | 653.4 |
| | 424 | 5,552,155 | 09/03/96 | Bailey et al. | 424 | 450 |
| | 425 | 5,679,459 | 10/21/97 | Riess et al. | 428 | 402.2 |
| | 426 | 5,711,933 | 01/27/98 | Bichon et al. | 424 | 9.52 |
| | 427 | 5,733,527 | 03/31/98 | Schutt | 424 | 9.52 |
| | 428 | 4,913,852 | 04/03/90 | Milioni et al. | 514 | 179 |
| | 429 | 3,650,831 | 03/21/72 | Jungermann et al. | 134 | 27 |
| | 430 | 3,968,203 | 07/06/76 | Spitzer et al. | 424 | 47 |
| | 431 | 4,027,007 | 05/31/77 | Messina | 424 | 46 |
| | 432 | 4,265,251 | 05/05/81 | Tickner | 128 | 660 |

| | |
|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|



| | | |
|---|------------------------------------|-------------------------------|
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U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|----------|--------------------|-------|----------|
| | 433 | 4,342,826 | 08/03/82 | Cole | 435 | 7 |
| | 434 | 4,572,203 | 02/25/86 | Feinstein | 128 | 661 |
| | 435 | 4,693,999 | 09/15/87 | Axelsson et al. | 514 | 174 |
| | 436 | 4,834,964 | 05/30/89 | Rosen | 424 | 9 |
| | 437 | 4,863,965 | 09/05/89 | Jansen et al. | 514 | 576 |
| | 438 | 4,984,573 | 01/15/91 | Leunbach | 128 | 653 |
| | 439 | 5,004,611 | 04/02/91 | Leigh | 424 | 450 |
| | 440 | 5,015,746 | 05/14/91 | Mizushima et al. | 552 | 569 |
| | 441 | 5,192,549 | 03/09/93 | Barenolz et al. | 424 | 450 |
| | 442 | 5,234,680 | 08/10/93 | Rogers, Jr. et al. | 424 | 9 |
| | 443 | 5,247,935 | 09/28/93 | Cline et al. | 128 | 653.2 |
| | 444 | 5,312,617 | 05/17/94 | Unger et al. | 424 | 9 |
| | 445 | 5,354,549 | 10/11/94 | Klaveness et al. | 424 | 3 |
| | 446 | 5,362,477 | 11/08/94 | Moore et al. | 424 | 9 |
| | 447 | 5,466,467 | 11/14/95 | Singh | 424 | 450 |
| | 448 | 5,485,839 | 01/23/96 | Aida et al. | 128 | 653.1 |
| | 449 | 5,501,863 | 03/26/96 | Rössling et al. | 424 | 489 |

| | |
|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|



| | | |
|---|------------------------------------|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
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U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|----------|------------------|-------|----------|
| | 450 | 5,502,094 | 03/26/96 | Moore et al. | 524 | 145 |
| | 451 | 5,542,935 | 08/06/96 | Unger et al. | 604 | 190 |
| | 452 | 5,545,396 | 08/13/96 | Albert et al. | 424 | 93 |
| | 453 | 5,558,092 | 09/24/96 | Unger et al. | 128 | 660.03 |
| | 454 | 5,558,856 | 09/24/96 | Klaveness et al. | 424 | 9.37 |
| | 455 | 5,569,449 | 10/29/96 | Klaveness et al. | 424 | 9.51 |
| | 456 | 5,580,575 | 12/03/96 | Unger et al. | 424 | 450 |
| | 457 | 5,593,680 | 01/14/97 | Bara et al. | 424 | 401 |
| | 458 | 5,605,673 | 02/25/97 | Schutt et al. | 424 | 9.51 |
| | 459 | 5,612,057 | 03/18/97 | Lanza et al. | 424 | 450 |
| | 460 | 5,614,169 | 03/25/97 | Klaveness et al. | 424 | 9.52 |
| | 461 | 5,626,833 | 05/06/97 | Schutt et al. | 424 | 9.52 |
| | 462 | 5,639,443 | 06/17/97 | Schutt et al. | 424 | 9.52 |
| | 463 | 5,676,928 | 10/14/97 | Klaveness et al. | 424 | 9.32 |
| | 464 | 5,686,060 | 11/11/97 | Schneider et al. | 424 | 9.52 |
| | 465 | 5,686,102 | 11/11/97 | Gross et al. | 424 | 450 |
| | 466 | 5,707,606 | 01/13/98 | Quay | 424 | 9.52 |

| | |
|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|



| | | |
|---|------------------------------------|-------------------------------|
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| | Filing Date July 22, 2004 | Group 1617 |
| | Confirmation No. 9396 | |

U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|----------|-------------------|-------|----------|
| | 467 | 5,707,607 | 01/13/98 | Quay | 424 | 9.52 |
| | 468 | 5,716,597 | 02/10/98 | Lohrmann et al. | 424 | 9.5 |
| | 469 | 5,732,707 | 03/31/98 | Widder et al. | 128 | 661.08 |
| | 470 | 5,740,807 | 04/21/98 | Porter | 128 | 662.02 |
| | 471 | 5,840,023 | 11/24/98 | Oraevsky et al. | 600 | 407 |
| | 472 | 5,855,865 | 01/05/99 | Lambert et al. | 424 | 9.52 |
| | 473 | 5,858,399 | 01/12/99 | Lanza et al. | 424 | 450 |
| | 474 | 4,485,193 | 11/27/84 | Rubens et al. | 521 | 58 |
| | 475 | 5,639,473 | 06/17/97 | Grinstaff et al. | 424 | 450 |
| | 476 | 5,648,098 | 07/15/97 | Porter | 424 | 490 |
| | 477 | 5,770,222 | 06/23/98 | Unger et al. | 424 | 450 |
| | 478 | 5,695,460 | 12/09/97 | Siegel, et al. | 604 | 21 |
| | 479 | 5,830,430 | 11/03/98 | Unger, et al. | 424 | 1.21 |
| | 480 | 5,997,898 | 12/07/99 | Unger | 424 | 450 |
| | 481 | 6,056,938 | 05/02/00 | Unger, et al. | 424 | 1.21 |
| | 482 | 4,972,002 | 11/20/90 | Volkert | 521 | 120 |
| | 483 | 5,512,268 | 04/30/96 | Grinstaff, et al. | 424 | 322 |

| | |
|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|



| | | |
|---|------------------------------------|-------------------------------|
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| | Confirmation No. 9396 | |

U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|----------|----------------------|-------|----------|
| | 484 | 5,567,415 | 10/22/96 | Porter | 424 | 9.52 |
| | 485 | 5,846,517 | 12/08/98 | Unger | 424 | 9.52 |
| | 486 | 5,849,727 | 12/15/98 | Porter, et al. | 514 | 156 |
| | 487 | 5,530,360 | 07/1985 | Duarte | 128 | 419 |
| | 488 | B14229360 | 11/1991 | Schneider, et al. | 270 | 403 |
| | 489 | 5,118,494 | 06/1992 | Schultz, et al. | 424 | 45 |
| | 490 | 5,173,298 | 12/1992 | Meadows | 424 | 427 |
| | 491 | 5,190,766 | 03/1993 | Ishihara | 424 | 489 |
| | 492 | 5,460,800 | 10/1995 | Walters | 424 | 9 |
| | 493 | 5,508,021 | 04/1996 | Grinstaff, et al. | 424 | 9 |
| | 494 | 5,556,372 | 09/1996 | Talish, et al. | 601 | 2 |
| | 495 | 5,562,608 | 10/1996 | Sekins, et al. | 604 | 20 |
| | 496 | 5,562,215 | 10/1996 | Gref, et al. | 424 | 501 |
| | 497 | 5,571,797 | 11/1996 | Ohno, et al. | 514 | 44 |
| | 498 | 5,612,318 | 03/1997 | Weichselbaum, et al. | 514 | 44 |
| | 499 | 5,648,098 | 07/1997 | Porter | 424 | 490 |
| | 500 | 5,701,899 | 12/1997 | Porter | 428 | 662 |

| | |
|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|



| | | |
|---|------------------------------------|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
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| | Filing Date July 22, 2004 | Group 1617 |
| | Confirmation No. 9396 | |

U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|----------|--------------------|-------|----------|
| | 501 | 5,736,121 | 04/1998 | Unger | 424 | 9 |
| | 502 | 5,874,062 | 02/1999 | Unger | 424 | 9 |
| | 503 | 5,897,851 | 04/1999 | Quay, et al. | 424 | 9 |
| | 504 | 5,976,501 | 11/1999 | Jablonski | 424 | 9 |
| | 505 | 6,090,800 | 07/18/00 | Unger, et al. | 514 | 180 |
| | 506 | 6,444,660 B1 | 09/03/02 | Unger, et al. | 514 | 180 |
| | 507 | 5,539,814 | 07/23/96 | Shoji | 379 | 215 |
| | 508 | 4,530,360 | 07/23/85 | Duarte | 128 | 419 F |
| | 509 | 6,090,800 | 07/18/00 | Unger | 514 | 180 |
| | 510 | 6,028,066 | 02/22/00 | Unger | 514 | 180 |
| | 511 | 4,621,023 | 11/4/86 | Redziniak, et al. | 428 | 402.2 |
| | 512 | 5,194,188 | 03/16/93 | Guitierrez | 264 | 4.1 |
| | 513 | 5,283,255 | 02/01/94 | Levy, et al. | 514 | 410 |
| | 514 | 5,380,411 | 01/10/95 | Schlieff | 204 | 157.15 |
| | 515 | 6,068,857 | 05/30/00 | Weitschies, et al. | 424 | 489 |
| | 516 | 6,159,445 | 12/12/00 | Klaveness, et al. | 424 | 9.6 |

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|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|

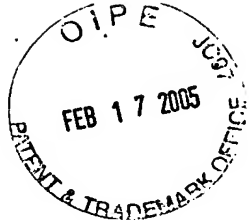


| | | |
|---|------------------------------------|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
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| | Confirmation No. 9396 | |

U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|----------|----------------------|-------|----------|
| | 517 | 6,261,537 B1 | 07/17/01 | Klaveness, et al. | 424 | 9.52 |
| | 518 | 6,331,289 B1 | 12/18/01 | Klaveness, et al. | 424 | 9.52 |
| | 519 | 4,767,610 | 08/30/88 | Long | 424 | 5 |
| | 520 | 4,866,096 | 09/12/89 | Schweighardt | 514 | 756 |
| | 521 | 4,895,876 | 01/23/90 | Schweighardt, et al. | 514 | 747 |
| | 522 | 5,077,036 | 12/31/91 | Long, Jr. | 424 | 5 |
| | 523 | 5,080,885 | 01/14/92 | Long, Jr. | 424 | 5 |
| | 524 | 5,393,513 | 02/28/95 | Long, Jr. | 424 | 5 |
| | 525 | 5,403,575 | 04/04/95 | Kaufman, et al. | 424 | 1.89 |
| | 526 | 5,496,536 | 03/05/96 | Wolf | 424 | 9.322 |
| | 527 | 5,514,720 | 05/07/96 | Clark, Jr., et al. | 514 | 749 |
| | 528 | 5,536,753 | 07/16/96 | Clark, Jr. | 514 | 749 |
| | 529 | 5,571,498 | 11/05/96 | Cacheris, et al. | 424 | 9.365 |
| | 530 | 5,635,539 | 06/03/97 | Clark, Jr., et al. | 514 | 759 |
| | 531 | 5,785,950 | 07/28/98 | Kaufman, et al. | 424 | 1.89 |
| | 532 | 5,958,371 | 09/28/99 | Lanza, et al. | 424 | 1.21 |
| | 533 | 5,980,936 | 11/09/99 | Krafft, et al. | 424 | 450 |

| | |
|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|



| | | |
|---|------------------------------------|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
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| | Confirmation No. 9396 | |

U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------------|----------|-----------------------|-------|----------|
| | 534 | 5,989,520 | 11/23/99 | Lanza, et al. | 424 | 9.32 |
| | 535 | 6,258,378 B1 | 07/10/01 | Schneider, et al. | 424 | 450 |
| | 536 | 4,303,736 | 12/01/81 | 12/01/81 | 428 | 403 |
| | 537 | 4,582,756 | 04/15/86 | 04/15/86 | 428 | 327 |
| | 538 | 5,919,434 | 07/16/99 | Dugstad, et al. | 424 | 9.52 |
| | 539 | 6,123,923 | 09/26/00 | Unger, et al. | 424 | 9.52 |
| | 540 | 6,165,442 | 12/26/00 | Swaerd-Nordmo, et al. | 424 | 9.52 |
| | 541 | US 6,231,834 B1 | 05/15/01 | Unger, et al. | 424 | 9.51 |
| | 542 | US 2001/0031243 A1 | 10/18/01 | Unger | 424 | 9.51 |
| | 543 | 4,863,740 | 09/05/89 | Kissel, et al. | 424 | 450 |
| | 544 | 5,580,575 | 12/03/96 | Unger, et al. | 424 | 450 |
| | 545 | 5,656,211 | 08/12/97 | Unger, et al. | 264 | 4.1 |
| | 546 | 5,705,187 | 01/06/98 | Unger | 424 | 450 |
| | 547 | 5,715,824 | 02/10/98 | Unger, et al. | 128 | 662.02 |
| | 548 | 5,733,572 | 03/31/98 | Unger, et al. | 424 | 450 |
| | 549 | 5,773,024 | 06/30/98 | Unger, et al. | 424 | 450 |
| | 550 | 5,776,429 | 07/07/98 | Unger, et al. | 424 | 9.52 |

| | |
|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|



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| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | Applicant Evan C. Unger, et al. | |
| | Filing Date July 22, 2004 | Group 1617 |
| | Confirmation No. 9396 | |

U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|----------|---------------|-------|----------|
| | 551 | 5,853,752 | 12/29/98 | Unger, et al. | 424 | 450 |
| | 552 | 5,922,304 | 07/13/99 | Unger | 424 | 9.3 |
| | 553 | 5,935,553 | 08/10/99 | Unger, et al. | 424 | 9.51 |
| | 554 | 6,028,066 | 02/22/00 | Unger | 514 | 180 |
| | 555 | 6,033,645 | 03/07/00 | Unger, et al. | 424 | 9.5 |
| | 556 | 6,033,646 | 03/07/00 | Unger, et al. | 424 | 9.52 |
| | 557 | 6,039,557 | 03/21/00 | Unger, et al. | 425 | 429 |
| | 558 | 6,071,494 | 06/06/00 | Unger | 424 | 9.4 |
| | 559 | 6,071,495 | 06/06/00 | Unger, et al. | 424 | 9.51 |
| | 560 | 6,088,613 | 07/11/00 | Unger | 600 | 420 |
| | 561 | 6,090,800 | 07/18/00 | Unger, et al. | 514 | 180 |
| | 562 | 6,117,414 | 09/12/00 | Unger | 424 | 9.4 |
| | 563 | 6,139,819 | 10/31/00 | Unger, et al. | 424 | 9.52 |
| | 564 | 6,143,276 | 11/07/00 | Unger | 424 | 9.3 |
| | 565 | 6,146,657 | 11/14/00 | Unger, et al. | 424 | 450 |
| | 566 | 6,231,834 B1 | 05/15/01 | Unger, et al. | 424 | 9.51 |
| | 567 | 6,315,981 B1 | 11/13/01 | Unger | 424 | 9.323 |

| | |
|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|



| | | |
|---|------------------------------------|-------------------------------|
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| | Applicant Evan C. Unger, et al. | |
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| | Confirmation No. 9396 | |

U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|-----|--------------|----------|-------------------|-------|----------|
| | 568 | 6,414,139 B1 | 07/02/02 | Unger, et al. | 536 | 413 |
| | 569 | 6,416,740 B1 | 07/09/02 | Unger | 424 | 9.52 |
| | 570 | 6,443,898 B1 | 09/03/02 | Unger, et al. | 600 | 458 |
| | 571 | 6,444,660 B1 | 09/03/02 | Unger, et al. | 514 | 180 |
| | 572 | 6,461,586 B1 | 10/08/02 | Unger | 424 | 9.32 |
| | 573 | 6,479,034 B1 | 11/12/02 | Unger, et al. | 424 | 9.51 |
| | 574 | 6,521,211 B1 | 02/18/03 | Unger, et al. | 424 | 9.52 |
| | 575 | 6,528,039 B2 | 03/04/03 | Unger | 424 | 9.4 |
| | 576 | 6,537,246 B1 | 03/25/03 | Unger, et al. | 604 | 82 |
| | 577 | 6,548,047 B1 | 04/15/03 | Unger | 424 | 9.51 |
| | 578 | 6,551,576 B1 | 04/22/03 | Unger, et al. | 424 | 9.52 |
| | 579 | 6,576,220 B2 | 06/10/03 | Unger | 424 | 9.32 |
| | 580 | 6,635,017 B1 | 10/21/03 | Moehring, et al. | 600 | 439 |
| | 581 | 6,680,047 B2 | 01/20/04 | Klaveness, et al. | 424 | 9.52 |
| | 582 | 6,682,502 B2 | 01/27/04 | Bond, et al. | 604 | 22 |
| | 583 | 6,716,412 B2 | 04/06/04 | Unger | 424 | 9.52 |
| | | | | | | |

| | |
|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|

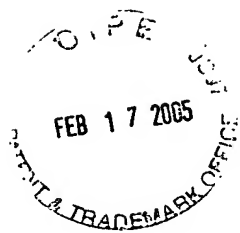


| | | |
|---|------------------------------------|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
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| | Filing Date July 22, 2004 | Group 1617 |
| | Confirmation No. 9396 | |

FOREIGN PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Country | Translation | |
|---------------------|-----|--------------|----------|---------------|--------------|----|
| | | | | | YES | NO |
| | 584 | WO 85/01161 | 3/14/85 | PCT | | |
| | 585 | 2 193 095 A | 2/3/88 | Great Britain | | |
| | 586 | 0 361 894 | 4/4/90 | EPA | | |
| | 587 | WO 86/01103 | 2/27/86 | PCT | | |
| | 588 | 0 272 091 | 6/22/88 | EPO | | |
| | 589 | WO 91/00086 | 01/10/91 | PCT (France) | X (abstract) | |
| | 590 | WO 91/15244 | 10/17/91 | PCT | | |
| | 591 | 0 338 971 | 10/25/89 | EPO (Germany) | X (abstract) | |
| | 592 | 0 107 559 | 05/02/84 | EPO (France) | X (abstract) | |
| | 593 | WO 82/01642 | 5/27/82 | PCT | | |
| | 594 | WO 89/05040 | 6/1/89 | PCT | | |
| | 595 | WO 86/00238 | 1/16/86 | PCT | | |
| | 596 | WO 90/04943 | 5/17/90 | PCT | | |
| | 597 | WO 80/02365 | 11/13/80 | PCT | | |
| | 598 | WO 93/05819 | 1/4/93 | PCT | | |
| | 599 | WO 93/06869 | 4/15/93 | PCT | | |
| | 600 | WO 93/20802 | 10/28/93 | PCT | | |
| | 601 | SHO 63-60943 | 3/17/88 | Japan | | |

| | |
|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|



| | | |
|---|------------------------------------|-------------------------------|
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FOREIGN PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Country | Translation | |
|---------------------|-----|-----------------|----------|------------------------|-------------|----|
| | | | | | YES | NO |
| | 602 | 0 554 213 A1 | 8/4/93 | EPO | | |
| | 603 | 0 314 764 B1 | 9/9/92 | EPO | | |
| | 604 | 0 458 745 A1 | 11/27/91 | EPO | | |
| | 605 | 0 216 730 | 1/23/91 | EPO | | |
| | 606 | WO 93/13809 | 7/22/93 | PCT | | |
| | 607 | WO 92/10166 | 6/25/92 | PCT | | |
| | 608 | 0 324 938 | 7/26/89 | EPO | | |
| | 609 | 0 231 091 | 8/5/87 | EPO | | |
| | 610 | WO 92/17212 | 10/15/92 | PCT | | |
| | 611 | WO 92/17213 | 10/15/92 | PCT | | |
| | 612 | WO 92/17436 | 10/15/92 | PCT | | |
| | 613 | WO 92/21382 | 10/10/92 | PCT | | |
| | 614 | WO 93/17718 | 9/16/93 | PCT | | |
| | 615 | WO 94/16739 | 8/4/94 | PCT | | |
| | 616 | WO 95/07072 | 3/16/95 | PCT | | |
| | 617 | EP 0 077 752 B1 | 3/5/86 | EP | | |
| EXAMINER | | | | DATE CONSIDERED | | |



| | | |
|---|------------------------------------|-------------------------------|
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| | Applicant Evan C. Unger, et al. | |
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| | Confirmation No. 9396 | |

FOREIGN PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Country | Translation | |
|---------------------|-----|-----------------|----------|---------------|------------------|----|
| | | | | | YES | NO |
| | 618 | WO 94/21302 | 9/29/94 | PCT | | |
| | 619 | WO 91/12823 | 9/5/91 | PCT | | |
| | 620 | 0 357 164 B1 | 10/23/91 | EPO | | |
| | 621 | 0 320 433 A2 | 12/2/88 | EPO | Abstract only | |
| | 622 | 0 467 031 A2 | 5/13/91 | EPO | | |
| | 623 | 0 243 947 | 4/29/87 | EPO | | |
| | 624 | WO 96/04018 | 2/15/96 | PCT | | |
| | 625 | WO 96/09793 | 4/4/96 | PCT | | |
| | 626 | WO 95/06518 | 3/9/95 | PCT | | |
| | 627 | EP 441,468 A2 | 8/14/91 | EPO | | |
| | 628 | EP 357,163 A1 | 3/7/90 | EPO | | |
| | 629 | EP 0 727 225 A2 | 8/21/96 | EPO | | |
| | 630 | WO 94/06477 | 03/31/94 | PCT | | |
| | 631 | WO 95/23615 | 09/08/95 | PCT | X | |
| | 632 | 62 286534 | 12/87 | Japan | X (Abstract) | |
| | 633 | 1,044,680 | 10/66 | Great Britain | X | |
| | 634 | WO 96/36286 | 11/21/96 | PCT | X | |
| | 635 | WO 92/11873 | 7/23/92 | PCT | X (Abstract) | |

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|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|



| | | |
|---|------------------------------------|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
| | Applicant Evan C. Unger, et al. | |
| | Filing Date July 22, 2004 | Group 1617 |
| | Confirmation No. 9396 | |

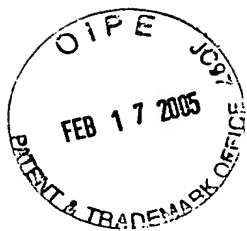
FOREIGN PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Country | Translation | |
|---------------------|-----|---------------|----------|-----------|--------------|----|
| | | | | | YES | NO |
| | 636 | WO 90/01952 | 3/8/90 | PCT | X (Abstract) | |
| | 637 | AU-B-30351/89 | 3/18/93 | Australia | | |
| | 638 | WO 93/00933 | 01/21/93 | PCT | | |
| | 639 | WO 94/28780 | 12/22/94 | PCT | | |
| | 640 | WO 96/40281 | 12/19/96 | PCT | | |
| | 641 | WO 84/02909 | 08/02/94 | PCT | | |
| | 642 | WO 92/15284 | 09/17/92 | PCT | | |
| | 643 | WO 92/17514 | 10/15/92 | PCT | | |
| | 644 | WO 94/07539 | 04/14/94 | PCT | X (abstract) | |
| | 645 | 0 586 875 | 03/16/94 | EPO | X (abstract) | |
| | 646 | WO 90/04384 | 5/3/90 | PCT | | |
| | 647 | WO 94/09829 | 5/11/94 | PCT | | |
| | 648 | 641363 | 03/08/90 | Australia | | |
| | 649 | 0 272 091 | 06/22/88 | EPO | | |
| | 650 | 0 614 656 A1 | 09/14/94 | EPO | | |
| | 651 | 2 700 952 | 08/05/94 | France | | |
| | 652 | 25 21 003 | 08/12/76 | Germany | | |

| | |
|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|



| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | | | | Docket No. UNGR-1710 | | Application No. 10/502,271 | |
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| | | | | Filing Date July 22, 2004 | | Group 1617 | |
| | | | | Confirmation No. 9396 | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| Examiner Initial | | Document No. | Date | Country | Translation | | |
| | | | | | YES | NO | |
| | 653 | WO 80/02365 | 11/13/80 | PCT | | | |
| | 654 | WO 82/01642 | 05/27/82 | PCT | | | |
| | 655 | WO 92/22298 | 12/23/92 | PCT | | | |
| | 656 | WO 92/22249 | 12/23/92 | PCT | | | |
| | 657 | WO 94/00110 | 01/06/94 | PCT | X (Abstract Only) | | |
| | 658 | WO 94/28873 | 12/22/94 | PCT | | | |
| | 659 | WO 95/24184 | 09/14/95 | PCT | | | |
| | 660 | 0 901 793 A1 | 03/17/99 | EPO | | | |
| | 661 | WO 96/40285 | 12/19/96 | PCT | | | |
| | 662 | WO 99/13919 | 03/25/99 | PCT | | | |
| | 663 | WO 99/39738 | 08/12/99 | PCT | | | |
| | 664 | WO 01/15742 | 03/08/01 | PCT | | | |
| | 665 | 0 224 934 | 06/10/87 | EPO | | | |
| | 666 | 0 359 246 | 03/21/90 | EPO | | | |
| | 667 | WO 85/02772 | 07/04/85 | PCT | | | |
| | 668 | WO 91/09629 | 07/11/91 | PCT | | | |
| | 669 | WO 92/22247 | 12/23/92 | PCT | | | |
| | 670 | 3803972 | 08/10/89 | Germany | X (abstract) | | |
| EXAMINER | | | | DATE CONSIDERED | | | |



| | | |
|---|------------------------------------|-------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UNGR-1710 | Application No. 10/502,271 |
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| | Filing Date July 22, 2004 | Group 1617 |
| | Confirmation No. 9396 | |

FOREIGN PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Country | Translation | |
|---------------------|-----|--------------|----------|---------------|-------------|----|
| | | | | | YES | NO |
| | 671 | 0 633 030 A1 | 01/11/95 | EPO | | |
| | 672 | WO 92/05806 | 04/16/92 | PCT | | |
| | 673 | 0 052 575 | 04/1982 | EPO | | |
| | 674 | 0 357 163 | 03/1990 | EPO | | |
| | 675 | 0 441 468 | 08/1991 | EPO | | |
| | 676 | 1 044 680 | 10/1966 | Great Britain | | |
| | 677 | SHO 60-60943 | 03/1988 | Japan | | |
| | 678 | WO 91/03267 | 03/1991 | PCT | | |
| | 679 | WO 94/16739 | 08/1994 | PCT | | |
| | 680 | WO 94/21301 | 09/1994 | PCT | | |
| | 681 | WO 95/03835 | 02/1995 | PCT | | |
| | 682 | WO 95/32005 | 11/1995 | PCT | | |
| | 683 | WO 98/00172 | 01/1998 | PCT | | |
| | 684 | 0 368 486 A2 | 05/16/90 | EP | | |
| | 685 | 0 422 938 B1 | 02/22/95 | EP | | |
| | 686 | WO 98/18501 | 05/07/98 | PCT | | |
| | 687 | WO 00/45856 | 08/10/00 | PCT | | |

| | |
|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|



| | | |
|---|------------------------------------|-------------------------------|
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| | Confirmation No. 9396 | |

FOREIGN PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Country | Translation | |
|---------------------|-----|--------------|----------|------------------------|-------------|----|
| | | | | | YES | NO |
| | 688 | WO 91/18612 | 12/12/91 | PCT | | |
| | 689 | WO 95/32006 | 11/30/95 | PCT | | |
| | 690 | WO 98/04292 | 02/05/98 | PCT | | |
| | 691 | WO 95/15118 | 06/08/95 | PCT | | |
| | 692 | WO 96/08234 | 03/21/96 | PCT | | |
| | 693 | WO 96/31196 | 10/10/96 | PCT | | |
| | 694 | WO 97/00638 | 01/09/97 | PCT | | |
| | 695 | WO 97/40858 | 11/06/97 | PCT | | |
| | 696 | WO 97/48337 | 12/24/97 | PCT | | |
| | 697 | WO 98/09600 | 03/12/98 | PCT | | |
| | 698 | WO 98/10798 | 03/19/98 | PCT | | |
| | 699 | WO 98/10799 | 03/19/98 | PCT | | |
| | 700 | WO 98/17324 | 04/30/98 | PCT | | |
| | 701 | WO 98/18495 | 05/07/98 | PCT | | |
| | 702 | WO 98/18498 | 05/07/98 | PCT | | |
| | 703 | WO 98/18500 | 05/07/98 | PCT | | |
| | 704 | WO 98/42384 | 10/01/98 | PCT | | |
| EXAMINER | | | | DATE CONSIDERED | | |

| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | | | | Docket No. UNGR-1710 | | Application No. 10/502,271 | |
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| | | | | Filing Date July 22, 2004 | | Group 1617 | |
| | | | | Confirmation No. 9396 | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| Examiner Initial | | Document No. | Date | Country | Translation | | |
| | | | | | YES | NO | |
| | 705 | WO 98/47487 | 10/29/98 | PCT | | | |
| | 706 | WO 98/50040 | 11/12/98 | PCT | | | |
| | 707 | WO 98/50041 | 11/12/98 | PCT | | | |
| | 708 | WO 98/51284 | 11/19/98 | PCT | | | |
| | 709 | WO 99/08714 | 02/25/99 | PCT | | | |
| | 710 | WO 99/30620 | 06/24/99 | PCT | | | |
| | 711 | 0 349 429 A2 | 01/03/90 | EPO | | | |
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